

Converting Colors

XYZ(76.3620, 89.8536, 93.6326)

Have a look what the booklet for
XYZ(76.3620, 89.8536, 93.6326)
contains.

XYZ(76.1435, 89.6304, 93.4080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.1435, 89.6304,
93.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFDED
RGB	207, 253, 237
RGB Percent	81%, 99%, 93%
CMY	0.1882, 0.0078, 0.0706
CMYK	0.18, 0.00, 0.06, 0.01
HSL	159°, 92%, 90%
HSV	159°, 18%, 99%
XYZ	76.1435, 89.6304, 93.4080
YIQ	237.4220, -22.2800, -14.7280

Conversions

Conversions Part 2

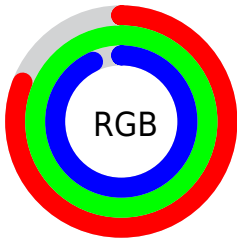
Format	Color
R _Y B	207, 235, 253
Decimal	13630957
CIE Lab	95.84, -17.71, 2.80
CIE LCh	96, 17.928, 171.027
Yxy	89.6304, 0.2938, 0.3458
Android (android.graphics.Color)	4291821037 (0xFFCFFDED)
YUV	237.4220, -0.2080, -26.6801
Hunter-Lab	94.6733, -22.1150, 7.7738

Details

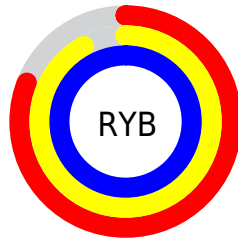
The XYZ color **76.1435, 89.6304, 93.4080** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1433, 70.8384, 79.4760**, and the grayscale version is **80.8374, 85.0472, 92.6165**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0293, 49.4915, 51.1064** is the 20% darker color. If you saturate the color by 10%, you get **68.3794, 85.7753, 86.4971**, and if you desaturate by 10%, it is **85.1084, 94.1021, 100.7084**.

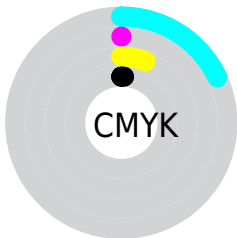
Distribution



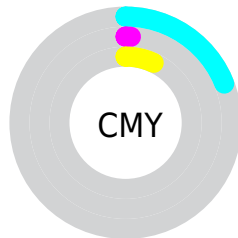
- Red (81%)
- Green (99%)
- Blue (93%)



- Red (81%)
- Yellow (92%)
- Blue (99%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)



- Cyan (19%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1435, 89.6304, 93.4080 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.1435, 89.6304, 93.4080 by changing the saturation by 10% instead.

76.1435, 89.6304,
93.4080

76.1435, 89.6304,
93.4080

470.7756,
526.8278, 559.9093

56.8477, 67.6741,
70.2211

126.9090,
146.8249, 154.0399

41.1226, 49.6327,
51.2289

159.1094,
182.8319, 192.3221

28.6030, 35.1216,
36.0128

196.3420,
224.2913, 236.4731

18.9235, 23.7566,
24.1543

238.9721,
271.5875, 286.9114

11.7187, 15.1531,
15.2349

287.3652,
325.1048, 344.0557

6.6232, 8.9269,
8.8359

341.8866,

3.2718, 4.6936,

385.2278, 408.3244

4.5390

402.9016,
452.3406, 480.1361

■ 1.2991, 2.0686,
1.9254

■ 0.1825, 0.6469,
0.5089

■ 76.1435, 89.6304,
93.4080

■ 76.1435, 89.6304,
93.4080

■ 68.3794, 85.7753,
86.4971

■ 85.1084, 94.1021,
100.7084

■ 61.7538, 82.4974,
79.9624

■ 94.3534, 98.7085,
108.3542

■ 56.2101, 79.7702,
73.7984

■ 94.4169, 98.7339,
108.6890

■ 51.6836, 77.5604,
67.9972

■ 48.1026, 75.8312,
62.5505

■ 45.3854, 74.5405,
57.4493

■ 43.4358, 73.6389,
52.6839

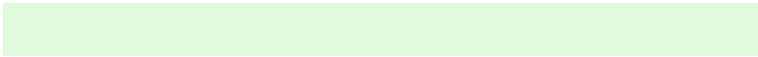
■ 42.1217, 73.0584,
48.2426

■ 41.9176, 72.9702,
47.4682

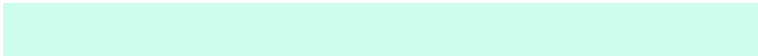
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0134, 89.6304, 81.4537



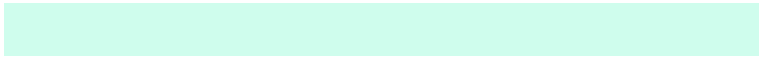
76.1435, 89.6304, 93.4080



76.6238, 89.6304, 107.6884

Triad

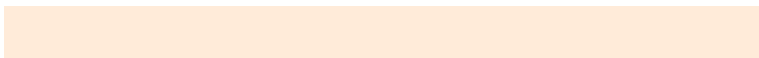
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1435, 89.6304, 93.4080



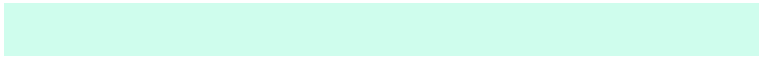
88.6470, 89.6304, 125.2685



91.3098, 89.6304, 77.9230

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.1435, 89.6304, 93.4080



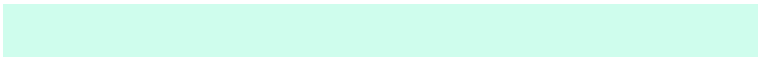
76.1433, 70.8384, 79.4760

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.3741, 89.6304, 88.1477



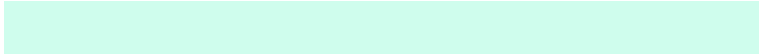
76.1435, 89.6304, 93.4080



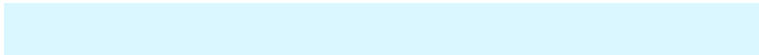
92.7959, 89.6304, 115.7331

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1435, 89.6304, 93.4080



83.7172, 89.6304, 127.0239



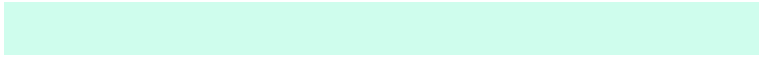
94.9282, 89.6304, 101.8997



86.6820, 89.6304, 73.0989

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



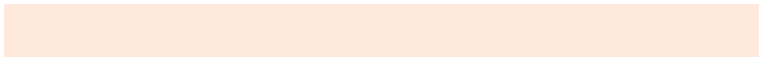
76.1435, 89.6304, 93.4080



78.2201, 89.6304, 116.5725



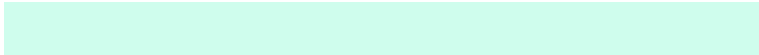
94.9282, 89.6304, 101.8997



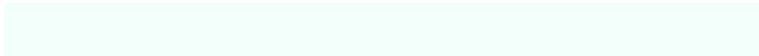
92.5642, 89.6304, 80.7929

Sweetspot

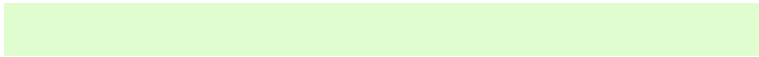
The Sweet Spot groups the original color and five complimentary colors.



76.1460, 89.6341, 93.4100



89.8078, 97.3791, 104.9700



76.8530, 90.4634, 72.4435



19.0704, 20.7671, 22.3514



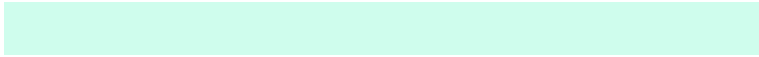
0.0000, 0.0000, 0.0000



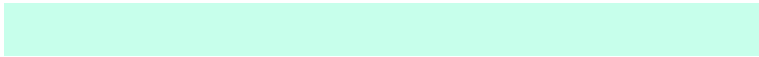
20.3446, 21.4041, 23.3091

Same Dimension

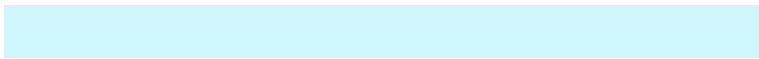
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1460, 89.6341, 93.4100



74.3521, 89.6746, 92.3546



76.4509, 86.3332, 105.5675



18.2707, 20.3678, 21.7285



22.3691, 38.8442, 25.6266



2.2296, 3.8028, 2.7671

Inverse Universe

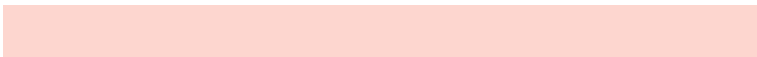
The Inverse Universe completely reimagines the original color for something new.



76.1433, 70.8384, 79.4760



74.3498, 67.1446, 75.6569



75.7946, 73.4326, 69.2120



18.2702, 18.0914, 20.0403



22.5479, 11.5085, 6.2697



2.2447, 1.1402, 0.8698

Previews

White Background



This preview shows how the XYZ color 76.1435, 89.6304, 93.4080 looks on a white background.

Color Contrast Check

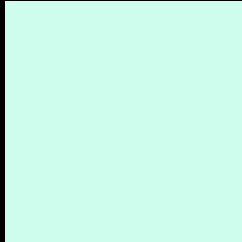
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.1435, 89.6304, 93.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

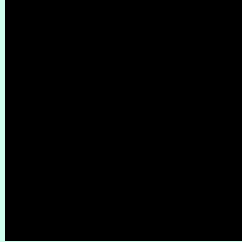
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

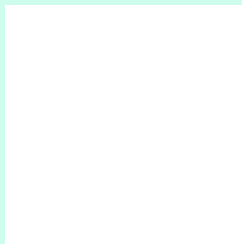
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1435, 89.6304, 93.4080

Background



This preview shows how black text looks on a background with the XYZ color 76.1435, 89.6304, 93.4080.



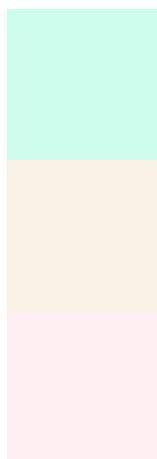
This preview shows how white text looks on a background with the XYZ color 76.1435, 89.6304,

93.4080.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.1435, 89.6304, 93.4080

Protanopia

85.3034, 89.0041, 88.2848

Deuteranopia

88.1335, 89.4038, 96.6159



Tritanopia

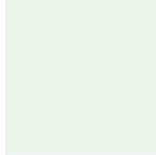
83.0155, 89.1828, 107.4464

Trichromacy



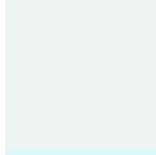
Original Color

76.1435, 89.6304, 93.4080



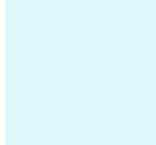
Protanomaly

81.2921, 88.6804, 89.9233



Deuteranomaly

83.3388, 89.1698, 95.2571



Tritanomaly

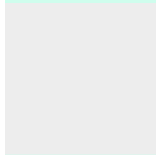
80.3295, 89.2843, 101.8067

Monochromacy



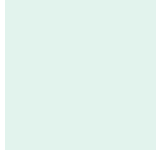
Original Color

76.1435, 89.6304, 93.4080



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.7007, 86.3844, 92.6466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1435, 89.6304, 93.4080 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(207, 253, 237)` looks like.

```
.text, #text, p{  
    color:rgb(207, 253, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(207, 253, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 253, 237) }
```

Border

The CSS property to change the border of an element to XYZ 76.1435, 89.6304, 93.4080 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 253, 237) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(207, 253, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(207, 253, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 253, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 253, 237);  
box-shadow:4px 4px 4px 4px rgb(207, 253,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1435, 89.6304, 93.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 253, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(207,  
253, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor