

Converting Colors

XYZ(75.8949, 89.3960, 93.5758)

Have a look what the booklet for
XYZ(75.8949, 89.3960, 93.5758)
contains.

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Color

**XYZ(75.8649, 89.4868,
93.3949)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFDED
RGB	206, 253, 237
RGB Percent	81%, 99%, 93%
CMY	0.1921, 0.0078, 0.0706
CMYK	0.19, 0.00, 0.06, 0.01
HSL	160°, 92%, 90%
HSV	160°, 19%, 99%
XYZ	75.8649, 89.4868, 93.3949
YIQ	237.1230, -22.8760, -14.9400

Conversions

Conversions Part 2

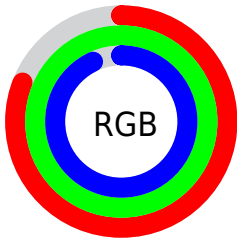
Format	Color
R _Y B	206, 234, 253
Decimal	13565421
CIE Lab	95.78, -18.02, 2.70
CIE LCh	96, 18.220, 171.471
Yxy	89.4868, 0.2932, 0.3458
Android (android.graphics.Color)	4291755501 (0xFFCEFD _{ED})
YUV	237.1230, -0.0606, -27.2949
Hunter-Lab	94.5975, -22.3928, 7.6819

Details

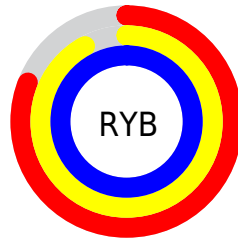
The XYZ color **75.8649, 89.4868, 93.3949** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7673, 70.3014, 78.6873**, and the grayscale version is **80.6061, 84.8039, 92.3514**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8429, 49.3954, 51.0977** is the 20% darker color. If you saturate the color by 10%, you get **68.1705, 85.6646, 86.6232**, and if you desaturate by 10%, it is **84.7553, 93.9235, 100.5420**.

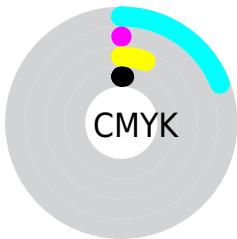
Distribution



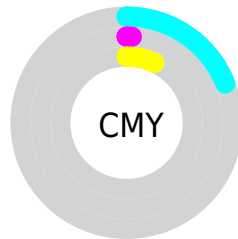
- Red (81%)
- Green (99%)
- Blue (93%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8649, 89.4868, 93.3949 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 75.8649, 89.4868, 93.3949 by changing the saturation by 10% instead.


 75.8649, 89.4868,
93.3949

 75.8649, 89.4868,
93.3949


469.8366,
526.3600, 559.8661

 56.6184, 67.5551,
70.2103


126.5173,
146.6253, 154.0217

 40.9379, 49.5359,
51.2201


158.6539,
182.6009, 192.3009

 28.4580, 35.0447,
36.0059


195.8179,
224.0266, 236.4487

 18.8134, 23.6973,
24.1490

238.3747,
271.2868, 286.8837

 11.6387, 15.1093,
15.2310

286.6896,
324.7658, 344.0244

 6.5686, 8.8961,
8.8332

341.1280,

 3.2377, 4.6735,

384.8481, 408.2894

4.5372

402.0552,
451.9180, 480.0971

■ 1.2807, 2.0570,
1.9245

■ 0.1687, 0.6403,
0.5082

■ 75.8649, 89.4868,
93.3949

■ 75.8649, 89.4868,
93.3949

■ 68.1705, 85.6646,
86.6232

■ 84.7553, 93.9235,
100.5420

■ 61.6099, 82.4175,
80.2139

■ 94.2932, 98.6844,
108.0376

■ 56.1261, 79.7188,
74.1618

■ 94.4170, 98.7339,
108.6890

■ 51.6545, 77.5352,
68.4593

■ 48.1229, 75.8296,
63.0984

■ 45.4494, 74.5598,
58.0704

■ 43.5369, 73.6761,
53.3658

■ 42.2481, 73.1076,
48.9733

■ 42.0893, 73.0389,
48.3725

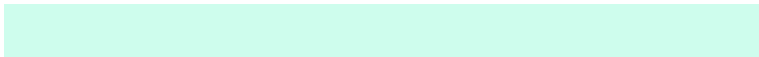
Harmonies

Analogous

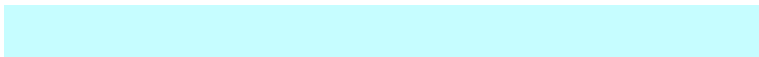
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7275, 89.4868, 81.2167



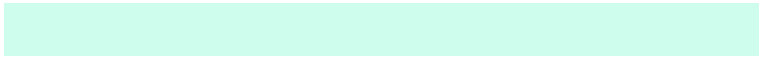
75.8649, 89.4868, 93.3949



76.3877, 89.4868, 107.9046

Triad

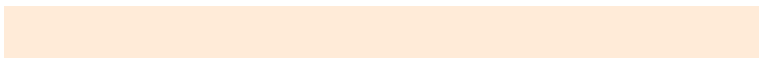
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8649, 89.4868, 93.3949



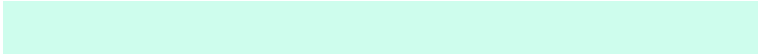
88.6354, 89.4868, 125.4800



91.2075, 89.4868, 77.3779

Complementary

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



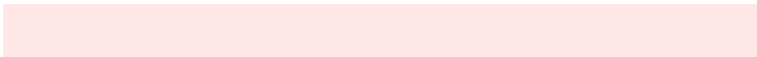
75.8649, 89.4868, 93.3949



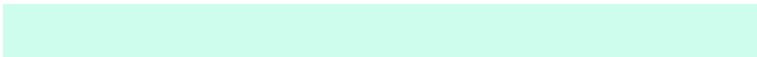
75.7673, 70.3014, 78.6873

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.



94.3533, 89.4868, 87.6672



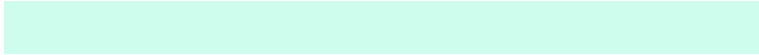
75.8649, 89.4868, 93.3949



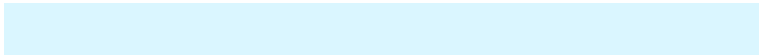
92.8281, 89.4868, 115.6823

Square

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



75.8649, 89.4868, 93.3949



83.6316, 89.4868, 127.3979



94.9578, 89.4868, 101.5918



86.4935, 89.4868, 72.5836

Rectangle

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



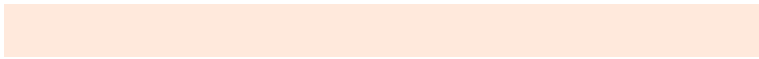
75.8649, 89.4868, 93.3949



78.0278, 89.4868, 116.9053



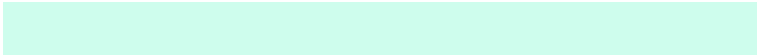
94.9578, 89.4868, 101.5918



92.4910, 89.4868, 80.2578

Sweetspot

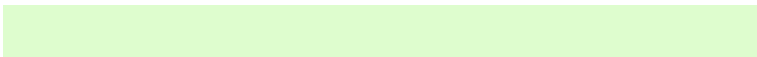
The Sweet Spot groups the original color and five complimentary colors.



75.8674, 89.4905, 93.3969



88.8159, 96.8818, 104.2895



76.5310, 90.3115, 71.7920



18.8710, 20.6671, 22.2166



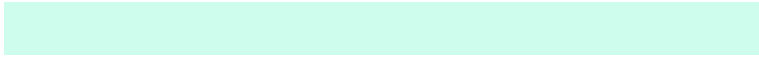
0.0000, 0.0000, 0.0000



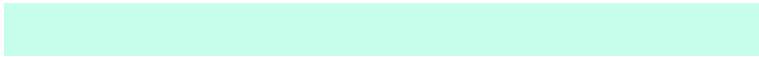
20.3446, 21.4041, 23.3091

Same Dimension

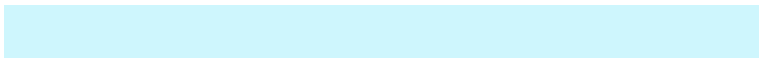
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8674, 89.4905, 93.3969



74.4124, 89.6987, 92.6718



76.1266, 86.0983, 105.5393



18.2766, 20.3702, 21.7597



22.4599, 38.8806, 26.1050



2.2380, 3.8061, 2.8114

Inverse Universe

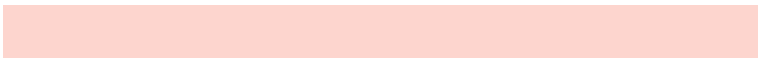
The Inverse Universe completely reimagines the original color for something new.



75.7673, 70.3014, 78.6873



74.2954, 67.1228, 75.3704



75.4582, 72.9549, 68.4984



18.2646, 18.0891, 20.0104



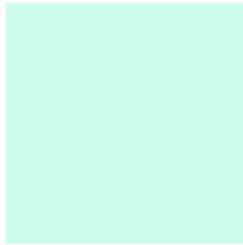
22.5063, 11.4918, 6.0506



2.2401, 1.1384, 0.8459

Previews

White Background



This preview shows how the XYZ color 75.8649, 89.4868, 93.3949 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 75.8649, 89.4868, 93.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

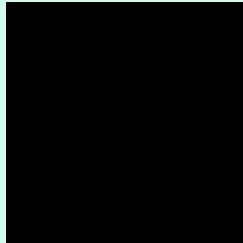
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

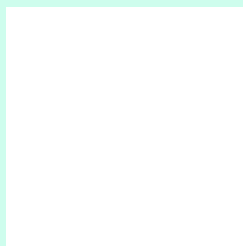
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8649, 89.4868, 93.3949

Background



This preview shows how black text looks on a background with the XYZ color 75.8649, 89.4868, 93.3949.



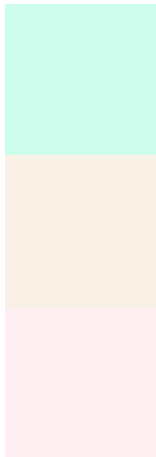
This preview shows how white text looks on a background with the XYZ color 75.8649, 89.4868,

93.3949.

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

75.8649, 89.4868, 93.3949

Protanopia

84.8051, 88.7635, 87.5263

Deuteranopia

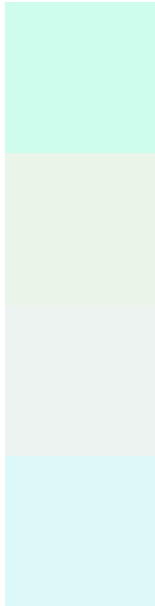
87.8415, 88.8199, 96.5186



Tritanopia

82.6973, 89.0188, 107.4315

Trichromacy



Original Color

75.8649, 89.4868, 93.3949

Protanomaly

80.9647, 88.5116, 89.9080

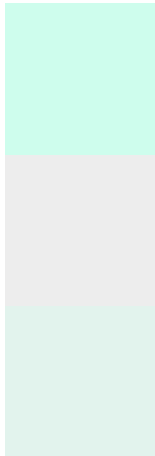
Deuteranomaly

82.7038, 88.3970, 95.1414

Tritanomaly

80.0259, 89.1278, 101.7925

Monochromacy



Original Color

75.8649, 89.4868, 93.3949

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 75.8649, 89.4868, 93.3949 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(206, 253, 237)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 253, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 253, 237) }
```

Border

The CSS property to change the border of an element to XYZ 75.8649, 89.4868, 93.3949 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(206, 253, 237) }
```


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

```
.border{ border-color:rgb(206, 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(206, 253, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 253, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 253, 237);  
box-shadow:4px 4px 4px 4px rgb(206, 253,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8649, 89.4868, 93.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 253, 237) }
```

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

```
.background{ background-color: rgb(206,  
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](#).

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