

Converting Colors

XYZ(73.0180, 83.6881, 97.4405)

Have a look what the booklet for
XYZ(73.0180, 83.6881, 97.4405)
contains.

XYZ(73.1569, 83.8689, 97.1266)	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(73.1569, 83.8689,
97.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	CBF4F3
RGB	203, 244, 243
RGB Percent	80%, 96%, 95%
CMY	0.2039, 0.0431, 0.0471
CMYK	0.17, 0.00, 0.00, 0.04
HSL	179°, 65%, 88%
HSV	179°, 17%, 96%
XYZ	73.1569, 83.8689, 97.1266
YIQ	231.6270, -24.1150, -9.0030

Conversions

Conversions Part 2

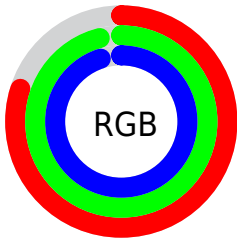
Format	Color
R _{YB}	203, 224, 244
Decimal	13366515
CIE Lab	93.39, -13.30, -3.92
CIE LCh	93, 13.867, 196.406
Yxy	83.8689, 0.2878, 0.3300
Android (android.graphics.Color)	4291556595 (0xFFC _B F4F3)
YUV	231.6270, 5.6069, -25.1059
Hunter-Lab	91.5800, -17.6736, 1.2250

Details

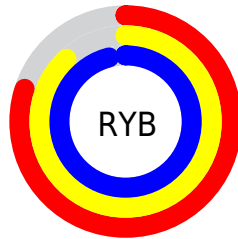
The XYZ color **73.1569, 83.8689, 97.1266** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5662, 66.3068, 66.2621**, and the grayscale version is **76.3972, 80.3758, 87.5293**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1656, 45.8502, 53.7994** is the 20% darker color. If you saturate the color by 10%, you get **66.9386, 80.6758, 96.3674**, and if you desaturate by 10%, it is **80.4262, 87.6081, 97.9400**.

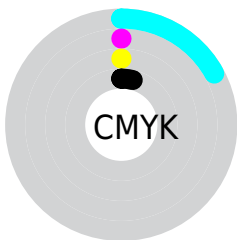
Distribution



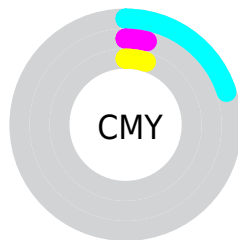
- Red (80%)
- Green (96%)
- Blue (95%)



- Red (80%)
- Yellow (88%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1569, 83.8689, 97.1266 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 73.1569, 83.8689, 97.1266 by changing the saturation by 10% instead.

73.1569, 83.8689,
97.1266

73.1569, 83.8689,
97.1266

460.6538,
507.8778, 572.1082

54.3931, 62.9072,
73.2996

122.7019,
138.7918, 159.2201

39.1479, 45.7661,
53.7276

154.2137,
173.5217, 198.3236

27.0561, 32.0613,
37.9923

190.7057,
213.6099, 243.3564

17.7522, 21.4083,
25.6749

232.5430,
259.4407, 294.7370

10.8708, 13.4228,
16.3570

280.0912,
311.3985, 352.8840

6.0467, 7.7203,
9.6200

333.7154,

2.9144, 3.9165,

369.8677, 418.2158

5.0455

393.7812,
435.2326, 491.1510

■ 1.1087, 1.6270,
2.2148

■ 0.0323, 0.3757,
0.6829

■ 73.1569, 83.8689,
97.1266

■ 73.1569, 83.8689,
97.1266

■ 66.9386, 80.6758,
96.3674

■ 80.4262, 87.6081,
97.9400

■ 61.7151, 77.9934,
95.6546


■ 88.7847, 91.9067,
98.8042


■ 57.4362, 75.7979,
94.9874

■ 90.0420, 92.5443,
99.3376


■ 54.0445, 74.0597,
94.3634


■ 90.1332, 92.5808,
99.8179


 51.4762, 72.7459,
93.7793


 90.2247, 92.6174,
100.2998


 49.6588, 71.8193,
93.2320


 90.3165, 92.6541,
100.7832

 48.5078, 71.2362,
92.7173

 90.4086, 92.6909,
101.2682

 47.9156, 70.9410,
92.2304

 90.5010, 92.7279,
101.7548

 47.7899, 70.8795,
92.0780

 90.5937, 92.7650,
102.2429

Harmonies

Analogous

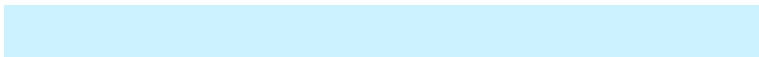
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0726, 83.8689, 86.6661



73.1569, 83.8689, 97.1266



74.9631, 83.8689, 106.6968

Triad

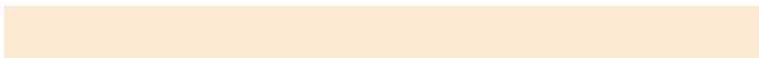
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1569, 83.8689, 97.1266



84.9176, 83.8689, 105.9235



81.3794, 83.8689, 73.1074

Complementary

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



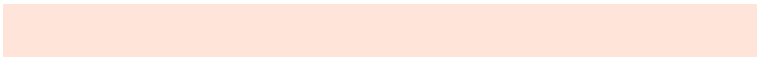
73.1569, 83.8689, 97.1266



69.5662, 66.3068, 66.2621

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.



84.6634, 83.8689, 77.4946



73.1569, 83.8689, 97.1266



86.7479, 83.8689, 96.1355

Square

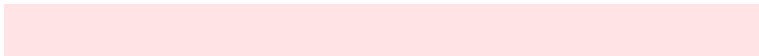
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1569, 83.8689, 97.1266



81.7177, 83.8689, 112.0352



86.6535, 83.8689, 85.7476



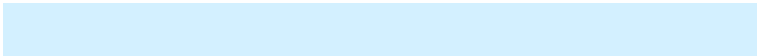
77.7450, 83.8689, 73.3281

Rectangle

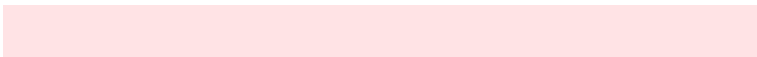
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



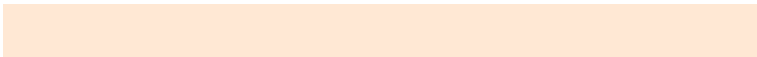
73.1569, 83.8689, 97.1266



76.9329, 83.8689, 111.0482



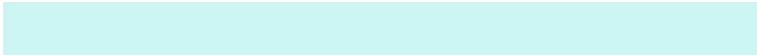
86.6535, 83.8689, 85.7476



82.5631, 83.8689, 74.0769

Sweetspot

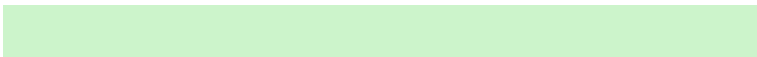
The Sweet Spot groups the original color and five complimentary colors.



73.1593, 83.8724, 97.1285



90.4636, 97.6414, 108.4234



68.1351, 81.9058, 68.7196



19.2302, 20.8311, 23.1930



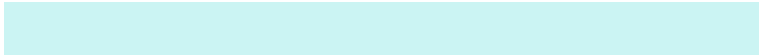
0.0000, 0.0000, 0.0000



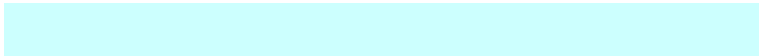
20.3446, 21.4041, 23.3091

Same Dimension

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



73.1593, 83.8724, 97.1285



78.5116, 91.4973, 107.0807



67.8493, 73.0091, 96.1081



16.9782, 18.7504, 21.1694



25.9923, 38.5417, 50.1064



2.2899, 3.3896, 4.4326

Inverse Universe

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



69.5662, 66.3068, 66.2621



73.8823, 68.8655, 67.3129



74.2474, 75.8612, 67.2307



16.5156, 16.4891, 17.1956



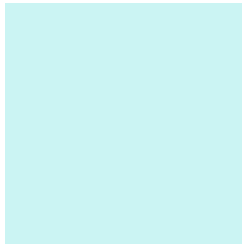
20.3111, 10.4679, 1.0808



1.7908, 0.9223, 0.1248

Previews

White Background



This preview shows how the XYZ color 73.1569, 83.8689, 97.1266 looks on a white background.

Color Contrast Check

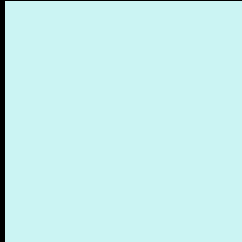
Large Text (above 18pt) WCAG AA × Fail

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 73.1569, 83.8689, 97.1266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

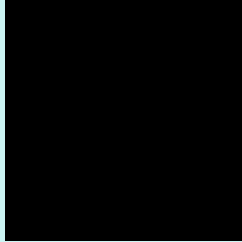
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

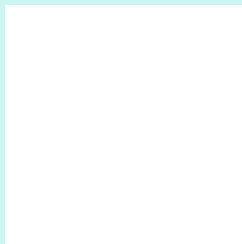
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1569, 83.8689, 97.1266

Background



This preview shows how black text looks on a background with the XYZ color 73.1569, 83.8689, 97.1266.

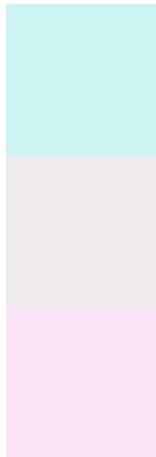


This preview shows how white text looks on a background with the XYZ color 73.1569, 83.8689,

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

73.1569, 83.8689, 97.1266

Protanopia

80.3055, 83.3108, 91.9688

Deuteranopia

84.8860, 83.0233, 98.7399



Tritanopia

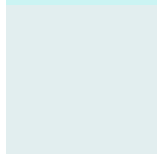
76.9416, 83.8363, 106.7345

Trichromacy



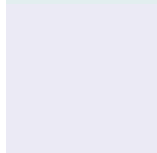
Original Color

73.1569, 83.8689, 97.1266



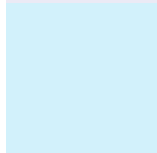
Protanomaly

77.5186, 83.5498, 93.7024



Deuteranomaly

80.1652, 83.1004, 98.2010



Tritanomaly

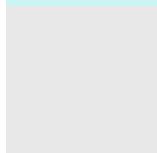
75.4462, 83.5773, 103.4224

Monochromacy



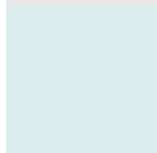
Original Color

73.1569, 83.8689, 97.1266



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.9546, 81.4192, 91.1218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1569, 83.8689, 97.1266 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(203, 244, 243)` looks like.

```
.text, #text, p{  
    color:rgb(203, 244, 243)  
}
```

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(203, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 244, 243) }
```

Border

The CSS property to change the border of an element to XYZ 73.1569, 83.8689, 97.1266 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(203, 244, 243) }
```


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

```
.border{ border-color:rgb(203, 244, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 244, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(203, 244,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1569, 83.8689, 97.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 244, 243) }
```

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

```
.background{ background-color: rgb(203,  
244, 243) }
```

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