

Converting Colors

XYZ(63.8897, 74.9008, 87.8338)

Have a look what the booklet for
XYZ(63.8897, 74.9008, 87.8338)
contains.

XYZ(63.8980, 74.9192, 88.1839)	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(63.8980, 74.9192,
88.1839)**

Conversions

Conversions Part 1

Format	Color
Hex	B8EAE9
RGB	184, 234, 233
RGB Percent	72%, 92%, 91%
CMY	0.2784, 0.0823, 0.0863
CMYK	0.21, 0.00, 0.00, 0.08
HSL	179°, 54%, 82%
HSV	179°, 21%, 92%
XYZ	63.8980, 74.9192, 88.1839
YIQ	218.9360, -29.4790, -10.9110

Conversions

Conversions Part 2

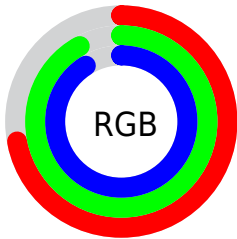
Format	Color
R_{YB}	184, 209, 234
Decimal	12118761
CIE _{Lab}	89.36, -16.10, -4.78
CIE _{LCh}	89, 16.799, 196.529
Yxy	74.9192, 0.2815, 0.3300
Android (android.graphics.Color)	4290308841 (0xFFB8EAE9)
YUV	218.9360, 6.9336, -30.6389
Hunter-Lab	86.5559, -19.6990, 0.1839

Details

The XYZ color **63.8980, 74.9192, 88.1839** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.8318, 55.2783, 53.4184**, and the grayscale version is **67.2575, 70.7601, 77.0577**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.0621, 39.7609, 47.5270** is the 20% darker color. If you saturate the color by 10%, you get **58.6833, 72.2406, 87.5918**, and if you desaturate by 10%, it is **70.0444, 78.0820, 88.8237**.

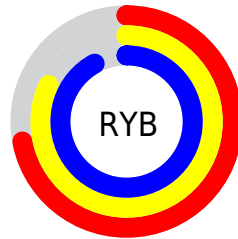
Distribution



Red (72%)

Green (92%)

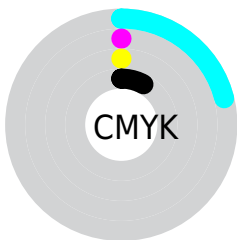
Blue (91%)



Red (72%)

Yellow (82%)

Blue (92%)

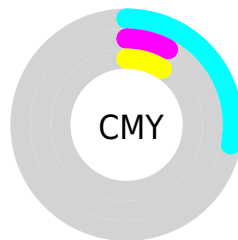


Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (28%)

Magenta (8%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8980, 74.9192, 88.1839 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 63.8980, 74.9192, 88.1839 by changing the saturation by 10% instead.

63.8980, 74.9192,
88.1839

63.8980, 74.9192,
88.1839

428.4293,
477.6398, 542.5222

46.8294, 55.5467,
65.9102

109.5386,
126.1980, 146.7265

33.1082, 39.8396,
47.7435

138.8413,
158.8730, 183.8326

22.3690, 27.4135,
33.2652

172.9528,
196.7511, 226.7197

14.2464, 17.8840,
22.0569

212.2384,
240.2165, 275.8066

8.3751, 10.8668,
13.7000

257.0635,
289.6537, 331.5118

4.3897, 5.9773,
7.7760

307.7935,

1.9249, 2.8313,

345.4470, 394.2537

3.8662

364.7936,
407.9809, 464.4510

■ 0.5912, 1.0443,
1.5522

■ 0.0000, 0.0000,
0.2564

■ 63.8980, 74.9192,
88.1839

■ 63.8980, 74.9192,
88.1839

■ 58.6833, 72.2406,
87.5918

■ 70.0444, 78.0820,
88.8237

■ 54.3482, 70.0135,
87.0403

■ 77.1585, 81.7417,
89.5081

■ 50.8456, 68.2155,
86.5286

■ 85.2822, 85.9218,
90.2407

■ 48.1210, 66.8186,
86.0543

■ 85.6421, 86.0995,
90.6109

46.1140, 65.7916,
85.6145

85.7100, 86.1266,
90.9683

44.7547, 65.0985,
85.2059

85.7780, 86.1539,
91.3267

43.9598, 64.6963,
84.8246

85.8463, 86.1811,
91.6860

43.6104, 64.5228,
84.5121

85.9147, 86.2085,
92.0463

85.9833, 86.2360,
92.4076

Harmonies

Analogous

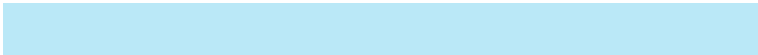
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.7965, 74.9192, 76.4147



63.8980, 74.9192, 88.1839



65.9088, 74.9192, 99.1259

Triad

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



63.8980, 74.9192, 88.1839



77.0988, 74.9192, 98.1567



73.0653, 74.9192, 61.4849

Complementary

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



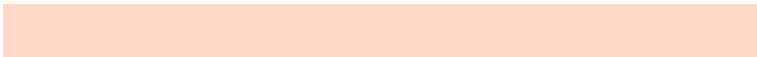
63.8980, 74.9192, 88.1839



59.8318, 55.2783, 53.4184

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.



76.7848, 74.9192, 66.2274



63.8980, 74.9192, 88.1839



79.1733, 74.9192, 86.9610

Square

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



63.8980, 74.9192, 88.1839



73.4804, 74.9192, 105.2517



79.0562, 74.9192, 75.3035



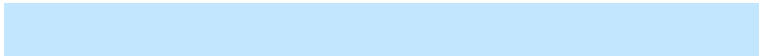
68.9838, 74.9192, 61.7441

Rectangle

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



63.8980, 74.9192, 88.1839



68.1071, 74.9192, 104.1446



79.0562, 74.9192, 75.3035



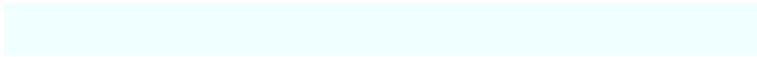
74.4025, 74.9192, 62.5259

Sweetspot

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



63.9002, 74.9223, 88.1856



89.5940, 97.1930, 108.3869



58.2456, 72.7068, 56.3128



19.0554, 20.7408, 23.1876



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.



63.9002, 74.9223, 88.1856



74.5085, 89.4351, 106.8249



57.8322, 62.5564, 86.8719



15.5039, 17.1164, 19.3362



24.5116, 36.2591, 47.5207



1.9289, 2.8489, 3.7535

Inverse Universe

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



59.8318, 55.2783, 53.4184



68.6707, 61.2453, 56.9345



64.9798, 65.7431, 54.6138



15.0777, 15.0589, 15.6946



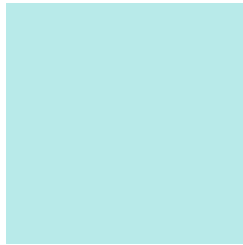
19.0877, 9.8378, 0.9971



1.5032, 0.7742, 0.1011

Previews

White Background



This preview shows how the XYZ color 63.8980, 74.9192, 88.1839 looks on a white background.

Color Contrast Check

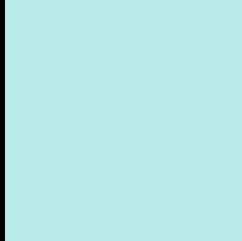
Large Text (above 18pt) WCAG AA × Fail

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 63.8980, 74.9192, 88.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

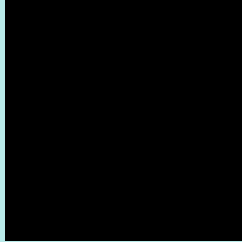
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8980, 74.9192, 88.1839

Background



This preview shows how black text looks on a background with the XYZ color 63.8980, 74.9192, 88.1839.

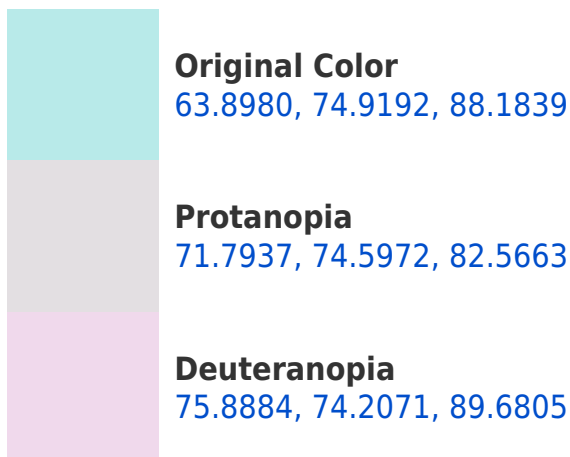


This preview shows how white text looks on a background with the XYZ color 63.8980, 74.9192,

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

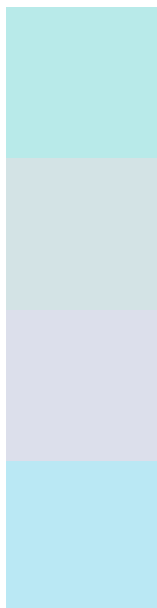




Tritanopia

66.3247, 74.6188, 101.3497

Trichromacy



Original Color

63.8980, 74.9192, 88.1839

Protanomaly

68.4759, 74.4442, 84.8888

Deuteranomaly

70.8983, 73.9892, 89.1419

Tritanomaly

65.4354, 74.6840, 96.5546

Monochromacy



Original Color

63.8980, 74.9192, 88.1839

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.5638, 71.8149, 80.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8980, 74.9192, 88.1839 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(184, 234, 233)` looks like.

```
.text, #text, p{  
    color:rgb(184, 234, 233)  
}
```

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(184, 234, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 234, 233) }
```

Border

The CSS property to change the border of an element to XYZ 63.8980, 74.9192, 88.1839 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(184, 234, 233) }
```


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

```
.border{ border-color:rgb(184, 234, 233) }
```

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

Here you see how a box with a 4 pixel rgb(184, 234, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 234, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 234, 233);  
box-shadow:4px 4px 4px 4px rgb(184, 234,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8980, 74.9192, 88.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 234, 233) }
```

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

```
.background{ background-color: rgb(184,  
234, 233) }
```

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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