

Converting Colors

XYZ(63.5994, 74.9927, 89.4176)

Have a look what the booklet for
XYZ(63.5994, 74.9927, 89.4176)
contains.

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Color

**XYZ(63.7598, 75.2386,
89.7593)**

Conversions

Conversions Part 1

Format	Color
Hex	B5EBEB
RGB	181, 235, 235
RGB Percent	71%, 92%, 92%
CMY	0.2902, 0.0784, 0.0784
CMYK	0.23, 0.00, 0.00, 0.08
HSL	180°, 57%, 82%
HSV	180°, 23%, 92%
XYZ	63.7598, 75.2386, 89.7593
YIQ	218.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

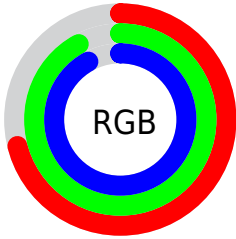
Format	Color
R _Y B	181, 208, 235
Decimal	11922411
CIE Lab	89.50, -17.07, -5.63
CIE LCh	90, 17.968, 198.243
Yxy	75.2386, 0.2787, 0.3289
Android (android.graphics.Color)	4290112491 (0xFFB5EBEB)
YUV	218.8540, 7.9600, -33.1980
Hunter-Lab	86.7402, -20.5860, -0.6355

Details

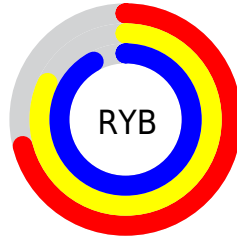
The XYZ color **63.7598, 75.2386, 89.7593** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.1280, 54.0482, 51.0351**, and the grayscale version is **67.1951, 70.6945, 76.9863**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **33.0092, 40.0069, 48.6302** is the 20% darker color. If you saturate the color by 10%, you get **58.7079, 72.6362, 89.5235**, and if you desaturate by 10%, it is **69.7455, 78.3262, 90.0420**.

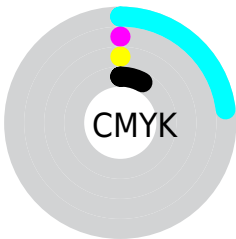
Distribution



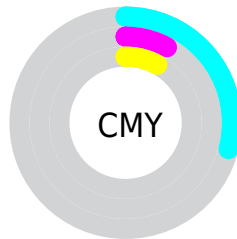
- Red (71%)
- Green (92%)
- Blue (92%)



- Red (71%)
- Yellow (82%)
- Blue (92%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (29%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7598, 75.2386, 89.7593 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 63.7598, 75.2386, 89.7593 by changing the saturation by 10% instead.

63.7598, 75.2386,
89.7593

63.7598, 75.2386,
89.7593

427.9377,
478.7373, 547.7974

46.7171, 55.8084,
67.2084

109.3406,
126.6501, 148.9366

33.0191, 40.0493,
48.7914

138.6094,
159.4001, 186.4001

22.3004, 27.5770,
34.0896

172.6843,
197.3588, 229.6716

14.1956, 18.0070,
22.6845

211.9307,
240.9107, 279.1696

8.3395, 10.9550,
14.1576

256.7139,
290.4401, 335.3126

4.3665, 6.0366,
8.0904

307.3992,

1.9115, 2.8674,

346.3314, 398.5193

4.0642

364.3520,
408.9690, 469.2080

■ 0.5835, 1.0629,
1.6606

■ 0.0000, 0.0000,
0.3336

■ 63.7598, 75.2386,
89.7593

■ 63.7598, 75.2386,
89.7593

■ 58.7079, 72.6362,
89.5235

■ 69.7455, 78.3262,
90.0420

■ 54.5367, 70.4859,
89.3273

■ 76.7017, 81.9123,
90.3685

■ 51.1977, 68.7646,
89.1701

■ 84.6714, 86.0208,
90.7425

■ 48.6351, 67.4436,
89.0492

■ 85.9460, 86.6779,
90.8031

46.7864, 66.4905,
88.9617

85.9462, 86.6780,
90.8041

45.5792, 65.8682,
88.9042

85.9464, 86.6780,
90.8051

44.9263, 65.5317,
88.8727

85.9466, 86.6781,
90.8061

44.7039, 65.4170,
88.8616

85.9468, 86.6782,
90.8070

85.9470, 86.6782,
90.8080

Harmonies

Analogous

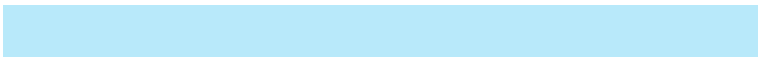
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5301, 75.2386, 77.0745



63.7598, 75.2386, 89.7593



66.0141, 75.2386, 101.3990

Triad

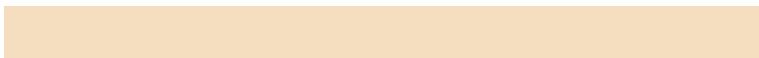
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7598, 75.2386, 89.7593



78.0236, 75.2386, 99.1762



73.2531, 75.2386, 60.3792

Complementary

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



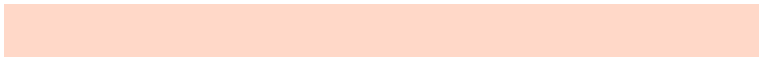
63.7598, 75.2386, 89.7593



59.1280, 54.0482, 51.0351

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.



77.3070, 75.2386, 65.1140



63.7598, 75.2386, 89.7593



80.1360, 75.2386, 86.9687

Square

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



63.7598, 75.2386, 89.7593



74.1986, 75.2386, 107.2088



79.8685, 75.2386, 74.5548



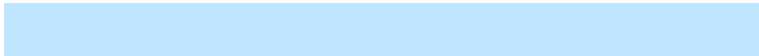
68.8911, 75.2386, 60.9612

Rectangle

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



63.7598, 75.2386, 89.7593



68.4158, 75.2386, 106.6010



79.8685, 75.2386, 74.5548



74.7003, 75.2386, 61.3802

Sweetspot

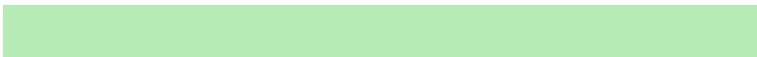
The Sweet Spot groups the original color and five complimentary colors.



63.7620, 75.2417, 89.7610



88.7850, 96.7703, 108.6060



57.3189, 72.6889, 54.7269



18.8940, 20.6563, 23.2410



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.



63.7620, 75.2417, 89.7610



73.4808, 88.8808, 107.8873



56.8296, 61.3762, 87.4523



15.5177, 17.1219, 19.4090



24.8786, 36.4059, 49.4534



1.9536, 2.8587, 3.8833

Inverse Universe

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



59.1280, 54.0482, 51.0351



66.9078, 58.8191, 52.9568



64.9412, 65.6752, 52.9713



15.0656, 15.0541, 15.6306



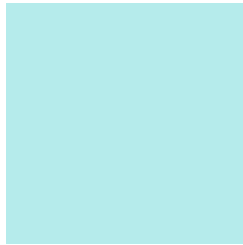
19.0678, 9.8298, 0.8926



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 63.7598, 75.2386, 89.7593 looks on a white background.

Color Contrast Check

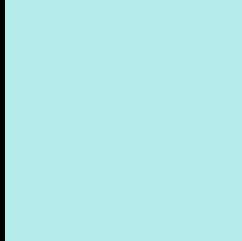
Large Text (above 18pt) WCAG AA × Fail

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 63.7598, 75.2386, 89.7593 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 63.7598, 75.2386, 89.7593

Background



This preview shows how black text looks on a background with the XYZ color 63.7598, 75.2386, 89.7593.

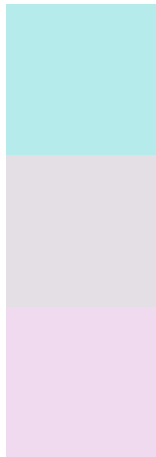


This preview shows how white text looks on a background with the XYZ color 63.7598, 75.2386,

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

63.7598, 75.2386, 89.7593

Protanopia

72.0698, 74.7077, 84.0203

Deuteranopia

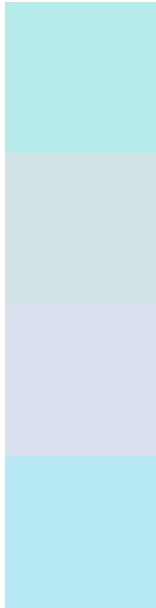
76.5866, 74.9001, 92.0820



Tritanopia

66.3187, 75.4332, 102.3315

Trichromacy



Original Color

63.7598, 75.2386, 89.7593

Protanomaly

68.4712, 74.4093, 86.3549

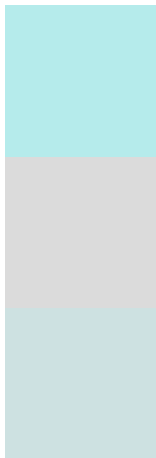
Deuteranomaly

71.3017, 74.5444, 91.5194

Tritanomaly

65.4327, 75.5055, 97.5115

Monochromacy



Original Color

63.7598, 75.2386, 89.7593

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.6927, 72.2658, 81.7205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7598, 75.2386, 89.7593 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(181, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(181, 235, 235)  
}
```

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(181, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 235, 235) }
```

Border

The CSS property to change the border of an element to XYZ 63.7598, 75.2386, 89.7593 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(181, 235, 235) }
```


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

```
.border{ border-color:rgb(181, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(181, 235,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7598, 75.2386, 89.7593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 235, 235) }
```

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

```
.background{ background-color: rgb(181,  
235, 235) }
```

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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