

Converting Colors

XYZ(58.6840, 64.5380, 86.2530)

Have a look what the booklet for
XYZ(58.6840, 64.5380, 86.2530)
contains.

XYZ(58.7756, 64.6744, 86.4764)	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(58.7756, 64.6744,
86.4764)**

Conversions

Conversions Part 1

Format	Color
Hex	B8D7E9
RGB	184, 215, 233
RGB Percent	72%, 84%, 91%
CMY	0.2784, 0.1568, 0.0863
CMYK	0.21, 0.08, 0.00, 0.09
HSL	202°, 53%, 82%
HSV	202°, 21%, 91%
XYZ	58.7756, 64.6744, 86.4764
YIQ	207.7830, -24.2540, -0.9740

Conversions

Conversions Part 2

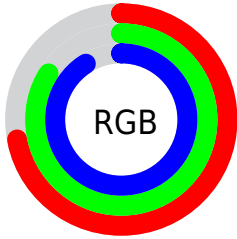
Format	Color
RYB	184, 203, 233
Decimal	12113897
CIELab	84.32, -6.41, -12.26
CIELCh	84, 13.834, 242.374
Yxy	64.6744, 0.2800, 0.3081
Android (android.graphics.Color)	4290303977 (0xFFB8D7E9)
YUV	207.7830, 12.4320, -20.8577
Hunter-Lab	80.4204, -10.2782, -7.4605

Details

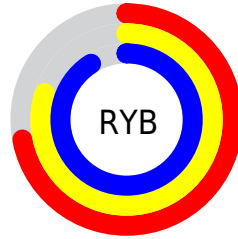
The XYZ color **58.7756, 64.6744, 86.4764** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63.3772, 63.0256, 54.1737**, and the grayscale version is **59.7486, 62.8601, 68.4547**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **29.7125, 33.0618, 46.4105** is the 20% darker color. If you saturate the color by 10%, you get **51.5251, 57.7873, 85.5302**, and if you desaturate by 10%, it is **67.0632, 72.2687, 87.5065**.

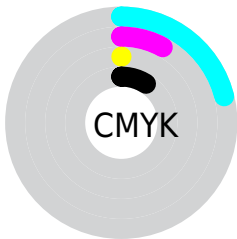
Distribution



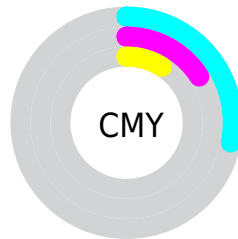
- Red (72%)
- Green (84%)
- Blue (91%)



- Red (72%)
- Yellow (80%)
- Blue (91%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (28%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7756, 64.6744, 86.4764 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 58.7756, 64.6744, 86.4764 by changing the saturation by 10% instead.

■ 58.7756, 64.6744,
86.4764

■ 58.7756, 64.6744,
86.4764

409.9772,
441.6210, 536.7722

■ 42.6782, 47.1971,
64.5048

■ 102.1679,
111.5816, 144.3265

■ 29.8261, 33.1915,
46.6109

130.1936,
141.7803, 181.0422

■ 19.8541, 22.2732,
32.3760

162.9260,
176.9883, 223.5096

■ 12.3966, 14.0578,
21.3817

200.7305,
217.5899, 272.1473

■ 7.0885, 8.1609,
13.2093

243.9726,
263.9696, 327.3739

■ 3.5644, 4.1981,
7.4404

293.0175,

■ 1.4588, 1.7850,

316.5118, 389.6079

3.6564

348.2306,
375.6008, 459.2678

■ 0.2975, 0.4778,
1.4388

■ 0.0000, 0.0000,
0.1717

■ 58.7756, 64.6744,
86.4764

■ 58.7756, 64.6744,
86.4764

■ 51.5251, 57.7873,
85.5302

■ 67.0632, 72.2687,
87.5065

■ 45.2593, 51.5728,
84.6610

■ 76.4257, 80.5873,
88.6187

■ 39.9296, 46.0049,
83.8672

■ 86.9060, 89.6563,
89.8168

■ 35.4806, 41.0525,
83.1457

■ 89.8971, 95.0410,
90.6985

■ 31.8508, 36.6809,
82.4933

■ 91.7082, 98.6633,
91.3022

■ 28.9695, 32.8511,
81.9059

■ 26.7530, 29.5169,
81.3792

■ 25.2074, 26.8818,
80.9520

Harmonies

Analogous

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



56.6215, 64.6744, 79.8600



58.7756, 64.6744, 86.4764



61.7158, 64.6744, 88.6875

Triad

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



58.7756, 64.6744, 86.4764



67.5566, 64.6744, 69.7218



58.3657, 64.6744, 57.0907

Complementary

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



58.7756, 64.6744, 86.4764



63.3772, 63.0256, 54.1737

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.



61.2270, 64.6744, 54.8498



58.7756, 64.6744, 86.4764



66.5900, 64.6744, 61.7538

Square

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



58.7756, 64.6744, 86.4764



66.8481, 64.6744, 78.5489



64.2477, 64.6744, 56.4843



56.3904, 64.6744, 62.8711

Rectangle

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



58.7756, 64.6744, 86.4764



63.7444, 64.6744, 87.2290



64.2477, 64.6744, 56.4843



59.2524, 64.6744, 55.9213

Sweetspot

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



58.7775, 64.6770, 86.4779



87.8768, 93.6795, 108.0581



59.5641, 72.7321, 66.7571



18.6485, 19.9083, 23.1098



0.0000, 0.0000, 0.0000



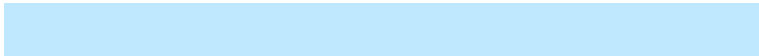
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7775, 64.6770, 86.4779



68.3387, 75.8086, 105.6384



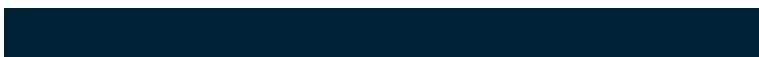
53.0057, 53.1334, 84.5539



15.0256, 16.1377, 19.2452



14.4253, 15.4975, 45.9740



1.2240, 1.3994, 3.6405

Inverse Universe

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



63.0121, 56.5125, 71.8798



74.4319, 64.4334, 84.5490



69.5806, 75.4324, 56.2415



15.4665, 15.2144, 17.7418



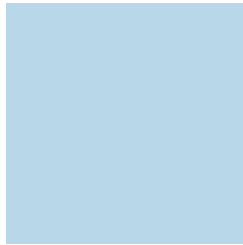
22.1365, 11.0573, 17.0520



1.7843, 0.8867, 1.5815

Previews

White Background



This preview shows how the XYZ color 58.7756, 64.6744, 86.4764 looks on a white background.

Color Contrast Check

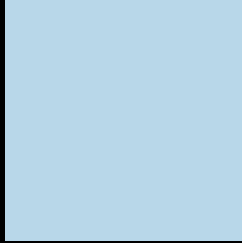
Large Text (above 18pt) WCAG AA × Fail

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 58.7756, 64.6744, 86.4764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

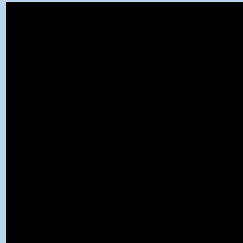
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

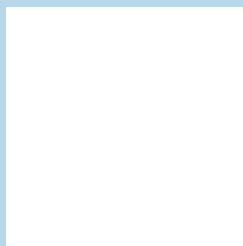
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7756, 64.6744, 86.4764

Background



This preview shows how black text looks on a background with the XYZ color 58.7756, 64.6744, 86.4764.



This preview shows how white text looks on a background with the XYZ color 58.7756, 64.6744,

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

58.7756, 64.6744, 86.4764

Protanopia

62.9557, 64.6680, 83.2928

Deuteranopia

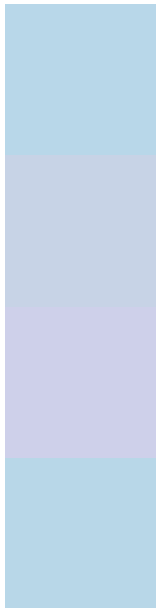
65.8017, 64.2440, 87.5295



Tritanopia

58.6331, 64.6174, 85.7260

Trichromacy



Original Color

58.7756, 64.6744, 86.4764

Protanomaly

61.1304, 64.4438, 84.0799

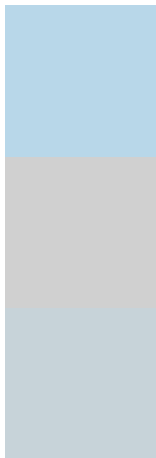
Deuteranomaly

62.8608, 64.1741, 86.9156

Tritanomaly

58.6331, 64.6174, 85.7260

Monochromacy



Original Color

58.7756, 64.6744, 86.4764

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.3718, 63.7404, 74.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7756, 64.6744, 86.4764 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, 215, 233)` looks like.

```
.text, #text, p{  
    color:rgb(184, 215, 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, 215, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 215, 233) }
```

Border

The CSS property to change the border of an element to XYZ 58.7756, 64.6744, 86.4764 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, 215, 233) }
```


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

```
.border{ border-color:rgb(184, 215, 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, 215, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 215, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 215, 233);  
box-shadow:4px 4px 4px 4px rgb(184, 215,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7756, 64.6744, 86.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 215, 233) }
```

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

```
.background{ background-color: rgb(184,  
215, 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](#).

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