

Converting Colors

XYZ(58.6970, 67.2165, 74.5967)

Have a look what the booklet for
XYZ(58.6970, 67.2165, 74.5967)
contains.

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Color

**XYZ(58.7446, 67.2356,
74.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	BBDDD8
RGB	187, 221, 216
RGB Percent	73%, 87%, 85%
CMY	0.2667, 0.1333, 0.1529
CMYK	0.15, 0.00, 0.02, 0.13
HSL	171°, 33%, 80%
HSV	171°, 15%, 87%
XYZ	58.7446, 67.2356, 74.8473
YIQ	210.2640, -18.6590, -8.7630

Conversions

Conversions Part 2

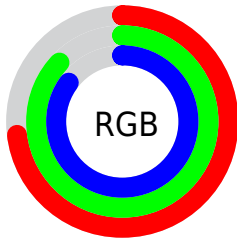
Format	Color
RYB	187, 205, 221
Decimal	12312024
CIELab	85.62, -12.12, -1.30
CIElCh	86, 12.193, 186.111
Yxy	67.2356, 0.2925, 0.3348
Android (android.graphics.Color)	4290502104 (0xFFBBDDD8)
YUV	210.2640, 2.8278, -20.4025
Hunter-Lab	81.9973, -15.6142, 3.2781

Details

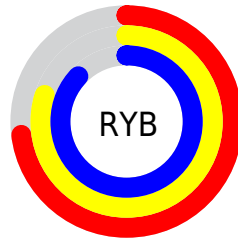
The XYZ color **58.7446, 67.2356, 74.8473** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.1059, 54.7203, 57.4244**, and the grayscale version is **61.4243, 64.6231, 70.3746**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **29.7421, 34.8322, 38.8739** is the 20% darker color. If you saturate the color by 10%, you get **53.3327, 64.4956, 72.4222**, and if you desaturate by 10%, it is **65.0007, 70.4135, 77.3581**.

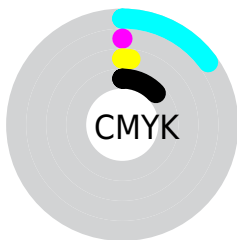
Distribution



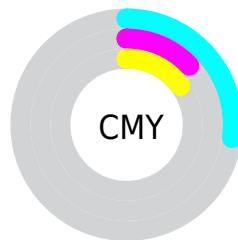
- Red (73%)
- Green (87%)
- Blue (85%)



- Red (73%)
- Yellow (80%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



- Cyan (27%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7446, 67.2356, 74.8473 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 58.7446, 67.2356, 74.8473 by changing the saturation by 10% instead.

■ 58.7446, 67.2356,
74.8473

■ 58.7446, 67.2356,
74.8473

409.8641,
450.7829, 496.6340

■ 42.6531, 49.2761,
54.9868

■ 102.1231,
115.2579, 127.8413

■ 29.8064, 34.8386,
38.9926

130.1409,
146.0896, 161.8119

■ 19.8390, 23.5385,
26.4462

162.8648,
181.9807, 201.3229

■ 12.3857, 14.9917,
16.9290

200.6602,
223.3158, 246.7930

■ 7.0810, 8.8135,
10.0225

243.8925,
270.4791, 298.6406

■ 3.5596, 4.6198,
5.3081

292.9270,

■ 1.4561, 2.0259,

323.8552, 357.2842

2.3672

348.1291,
383.8283, 423.1425

■ 0.2957, 0.6225,
0.7685

■ 0.0000, 0.0000,
0.0000

■ 58.7446, 67.2356,
74.8473

■ 58.7446, 67.2356,
74.8473

■ 53.3327, 64.4956,
72.4222

■ 65.0007, 70.4135,
77.3581

■ 48.7213, 62.1655,
70.0764

■ 72.1308, 74.0392,
79.9522

■ 44.8714, 60.2270,
67.8092

■ 80.1704, 78.1327,
82.6327

■ 41.7384, 58.6571,
65.6182

■ 81.2419, 78.6331,
85.0313

■ 39.2732, 57.4305,
63.5009

■ 81.7003, 78.8165,
87.4456

■ 37.4202, 56.5187,
61.4544

■ 82.1674, 79.0033,
89.9049

■ 36.1149, 55.8882,
59.4755

■ 82.6430, 79.1935,
92.4095

■ 35.2781, 55.4983,
57.5602

■ 83.1273, 79.3873,
94.9597

■ 34.9873, 55.3673,
56.6948

■ 83.6202, 79.5844,
97.5556

Harmonies

Analogous

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



59.1491, 67.2356, 67.1915



58.7446, 67.2356, 74.8473



59.6903, 67.2356, 82.5902

Triad

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



58.7446, 67.2356, 74.8473



67.1025, 67.2356, 86.2627



66.0910, 67.2356, 60.1040

Complementary

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



58.7446, 67.2356, 74.8473



57.1059, 54.7203, 57.4244

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.



68.3145, 67.2356, 64.5650



58.7446, 67.2356, 74.8473



68.9102, 67.2356, 79.5736

Square

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



58.7446, 67.2356, 74.8473



64.4752, 67.2356, 89.4809



69.3600, 67.2356, 71.5931



63.3390, 67.2356, 59.0385

Rectangle

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



58.7446, 67.2356, 74.8473



60.9757, 67.2356, 86.6426



69.3600, 67.2356, 71.5931



66.9275, 67.2356, 61.2396

Sweetspot

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



58.7465, 67.2384, 74.8488



90.2132, 97.5413, 107.1047



56.5917, 66.5232, 56.8722



19.1692, 20.8066, 22.8713



0.0000, 0.0000, 0.0000



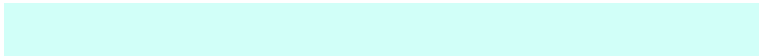
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7465, 67.2384, 74.8488



79.0643, 91.8825, 102.5753



56.3716, 61.4376, 77.2975



13.3582, 14.7949, 16.3492



20.3566, 32.1753, 33.1070



1.3417, 2.0936, 2.2656

Inverse Universe

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



57.1059, 54.7203, 57.4244



76.4408, 71.8603, 74.7083



59.1911, 59.7630, 55.4304



13.1337, 13.0826, 13.9654



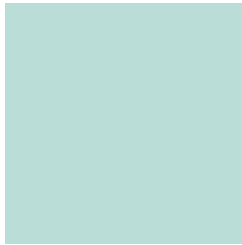
17.5032, 9.0023, 1.7642



1.1592, 0.5933, 0.2474

Previews

White Background



This preview shows how the XYZ color 58.7446, 67.2356, 74.8473 looks on a white background.

Color Contrast Check

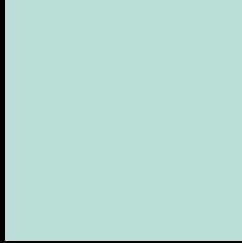
Large Text (above 18pt) WCAG AA × Fail

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 58.7446, 67.2356, 74.8473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

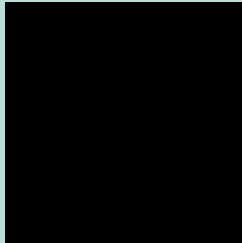
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

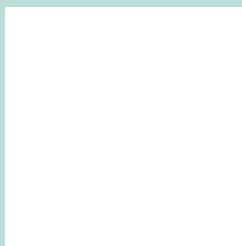
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7446, 67.2356, 74.8473

Background



This preview shows how black text looks on a background with the XYZ color 58.7446, 67.2356, 74.8473.

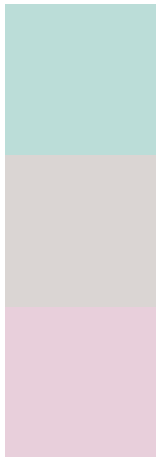


This preview shows how white text looks on a background with the XYZ color 58.7446, 67.2356, 74.8473.

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

58.7446, 67.2356, 74.8473

Protanopia

64.4656, 67.1971, 71.2006

Deuteranopia

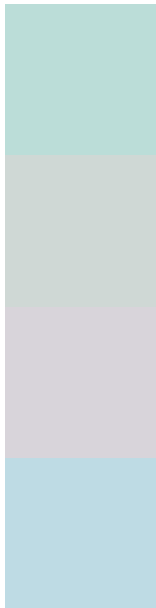
68.3777, 66.8959, 76.3261



Tritanopia

61.5527, 67.2173, 88.3273

Trichromacy



Original Color

58.7446, 67.2356, 74.8473

Protanomaly

62.2982, 67.1812, 72.6346

Deuteranomaly

64.5173, 66.7479, 75.8129

Tritanomaly

60.5703, 67.2116, 83.1795

Monochromacy



Original Color

58.7446, 67.2356, 74.8473

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

60.2874, 65.4032, 71.7339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7446, 67.2356, 74.8473 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(187, 221, 216)` looks like.

```
.text, #text, p{  
    color:rgb(187, 221, 216)  
}
```

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(187, 221, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 221, 216) }
```

Border

The CSS property to change the border of an element to XYZ 58.7446, 67.2356, 74.8473 is called "border". The border property can be set on classes, ids or directly on the HTML element.

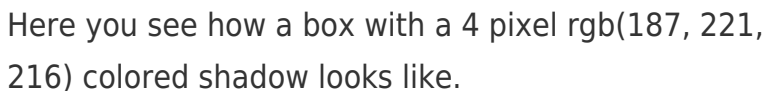
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 221, 216) }
```


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

```
.border{ border-color:rgb(187, 221, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 221, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 221, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 221, 216); box-shadow:4px 4px 4px 4px rgb(187, 221, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7446, 67.2356, 74.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 221, 216) }
```

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

```
.background{ background-color: rgb(187,  
221, 216) }
```

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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