

Converting Colors

XYZ(42.2759, 58.8576, 45.6069)

Have a look what the booklet for
XYZ(42.2759, 58.8576, 45.6069)
contains.

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Color

**XYZ(42.3998, 59.0448,
45.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	86DCA7
RGB	134, 220, 167
RGB Percent	53%, 86%, 65%
CMY	0.4745, 0.1372, 0.3451
CMYK	0.39, 0.00, 0.24, 0.14
HSL	143°, 55%, 69%
HSV	143°, 39%, 86%
XYZ	42.3998, 59.0448, 45.7213
YIQ	188.2440, -34.2430, -34.7150

Conversions

Conversions Part 2

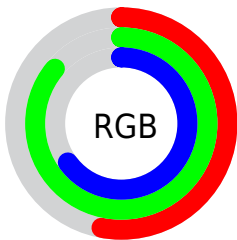
Format	Color
RYB	134, 196, 220
Decimal	8838311
CIELab	81.32, -37.42, 18.02
CIELCh	81, 41.536, 154.289
Yxy	59.0448, 0.2881, 0.4012
Android (android.graphics.Color)	4287028391 (0xFF86DCA7)
YUV	188.2440, -10.4733, -47.5720
Hunter-Lab	76.8406, -35.9768, 18.5100

Details

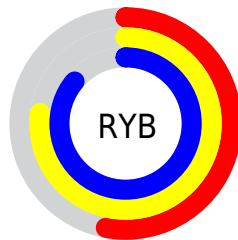
The XYZ color **42.3998, 59.0448, 45.7213** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.0120, 35.8551, 51.4590**, and the grayscale version is **48.0116, 50.5120, 55.0075**.

A 20% lighter version of the original color is **70.1800, 87.7411, 82.3441**, and **19.5944, 29.4510, 20.8715** is the 20% darker color. If you saturate the color by 10%, you get **38.0631, 56.9481, 39.3153**, and if you desaturate by 10%, it is **47.6005, 61.5750, 52.8564**.

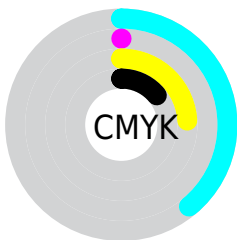
Distribution



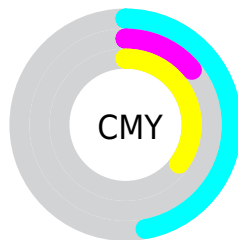
- Red (53%)
- Green (86%)
- Blue (65%)



- Red (53%)
- Yellow (77%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (24%)
- Black (14%)





- Cyan (47%)
- Magenta (14%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3998, 59.0448, 45.7213 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 42.3998, 59.0448, 45.7213 by changing the saturation by 10% instead.


 42.3998, 59.0448,
45.7213


 42.3998, 59.0448,
45.7213

347.1011,
421.0679, 385.9320

 29.6069, 42.6492,
31.6789


 78.0657, 103.4428,
85.1316

 19.6870, 29.6100,
20.8536


 101.6695,
132.2139, 111.3366

 12.2747, 19.5427,
12.8268


 129.6076,
165.8790, 142.4329

 7.0046, 12.0631,
7.1801

162.2455,
204.8225, 178.8389

 3.5113, 6.7867,
3.4948

199.9484,
249.4287, 220.9733

 1.4296, 3.3290,
1.3525

243.0817,

 0.2771, 1.3058,

300.0821, 269.2546

0.1043

292.0108,
357.1671, 324.1013

■ 0.0000, 0.1457,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3998, 59.0448,
45.7213

■ 42.3998, 59.0448,
45.7213

■ 38.0631, 56.9481,
39.3153

■ 47.6005, 61.5750,
52.8564

■ 34.5360, 55.2524,
33.6109

■ 53.7061, 64.5544,
60.7388

■ 31.7652, 53.9324,
28.5850

■ 60.7601, 68.0067,
69.3911

■ 29.6886, 52.9565,
24.2111

■ 68.8023, 71.9519,
78.8337

■ 28.2331, 52.2877,
20.4613

■ 77.8697, 76.4088,
89.0863

■ 27.2850, 51.8678,
17.3038

■ 83.8325, 79.2479,
99.9728

■ 27.2110, 51.8353,
17.0447

■ 84.8843, 79.6687,
105.5114

Harmonies

Analogous

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



47.2424, 59.0448, 32.3604



42.3998, 59.0448, 45.7213



41.0832, 59.0448, 67.9272

Triad

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



42.3998, 59.0448, 45.7213



57.3764, 59.0448, 124.6220



71.0518, 59.0448, 40.9684

Complementary

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



42.3998, 59.0448, 45.7213



47.0120, 35.8551, 51.4590

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.



74.4405, 59.0448, 60.7845



42.3998, 59.0448, 45.7213



66.0461, 59.0448, 112.3555

Square

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



42.3998, 59.0448, 45.7213



49.1941, 59.0448, 117.6165



72.5211, 59.0448, 87.3072



63.6680, 59.0448, 30.1530

Rectangle

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



42.3998, 59.0448, 45.7213



42.2550, 59.0448, 85.9972



72.5211, 59.0448, 87.3072



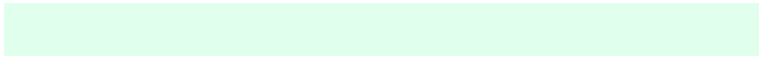
72.7287, 59.0448, 46.5820

Sweetspot

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



42.4014, 59.0472, 45.7226



81.7855, 93.4956, 93.2007



50.4000, 63.4794, 32.1513



17.2226, 19.8734, 19.6039



0.0000, 0.0000, 0.0000



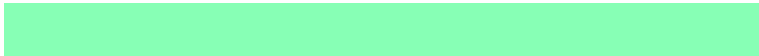
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4014, 59.0472, 45.7226



54.1305, 80.0252, 56.3836



47.0553, 60.9088, 70.2301



13.0923, 14.6885, 14.9488



16.0196, 30.4405, 10.2687



1.0791, 1.9886, 0.8827

Inverse Universe

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



47.0120, 35.8551, 51.4590



61.4351, 43.2339, 65.4365



43.0786, 34.2817, 30.7463



13.3916, 13.1857, 15.3235



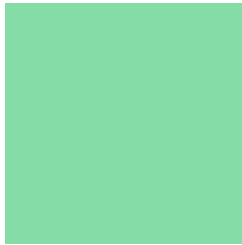
19.9689, 9.9886, 14.7481



1.3353, 0.6637, 1.1745

Previews

White Background



This preview shows how the XYZ color 42.3998, 59.0448, 45.7213 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 42.3998, 59.0448, 45.7213 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

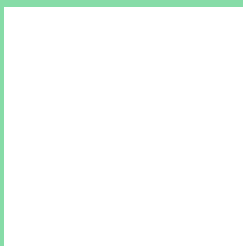
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3998, 59.0448, 45.7213

Background



This preview shows how black text looks on a background with the XYZ color 42.3998, 59.0448, 45.7213.



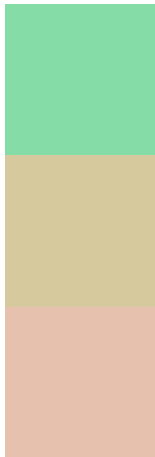
This preview shows how white text looks on a background with the XYZ color 42.3998, 59.0448,

45.7213.

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

42.3998, 59.0448, 45.7213

Protanopia

54.7898, 58.5381, 40.7590

Deuteranopia

59.2459, 57.9801, 47.6038



Tritanopia

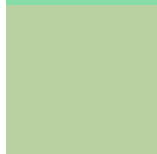
49.8991, 59.0400, 82.8946

Trichromacy



Original Color

42.3998, 59.0448, 45.7213



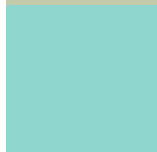
Protanomaly

48.9965, 57.9992, 42.3308



Deuteranomaly

51.2123, 57.2542, 46.8801



Tritanomaly

46.7687, 58.8967, 67.2958

Monochromacy



Original Color

42.3998, 59.0448, 45.7213



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.0409, 52.9287, 51.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3998, 59.0448, 45.7213 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(134, 220, 167)` looks like.

```
.text, #text, p{  
    color:rgb(134, 220, 167)  
}
```

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(134, 220, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 220, 167) }
```

Border

The CSS property to change the border of an element to XYZ 42.3998, 59.0448, 45.7213 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(134, 220, 167) }
```


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

```
.border{ border-color:rgb(134, 220, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 220, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 220, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 220, 167); box-shadow:4px 4px 4px 4px rgb(134, 220, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3998, 59.0448, 45.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 220, 167) }
```

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

```
.background{ background-color: rgb(134,  
220, 167) }
```

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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