

Converting Colors

XYZ(42.7957, 58.8091, 58.0887)

Have a look what the booklet for
XYZ(42.7957, 58.8091, 58.0887)
contains.

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Color

**XYZ(42.9135, 59.0417,
57.8496)**

Conversions

Conversions Part 1

Format	Color
Hex	7ADCBE
RGB	122, 220, 190
RGB Percent	48%, 86%, 75%
CMY	0.5216, 0.1372, 0.2549
CMYK	0.45, 0.00, 0.14, 0.14
HSL	162°, 58%, 67%
HSV	162°, 45%, 86%
XYZ	42.9135, 59.0417, 57.8496
YIQ	187.2780, -48.7780, -30.1060

Conversions

Conversions Part 2

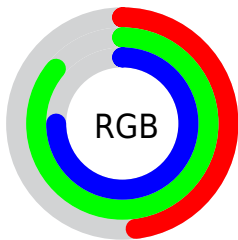
Format	Color
RYB	122, 180, 220
Decimal	8051902
CIELab	81.31, -35.88, 5.80
CIELCh	81, 36.345, 170.821
Yxy	59.0417, 0.2685, 0.3695
Android (android.graphics.Color)	4286241982 (0xFF7ADCBE)
YUV	187.2780, 1.3419, -57.2488
Hunter-Lab	76.8386, -34.7773, 9.1493

Details

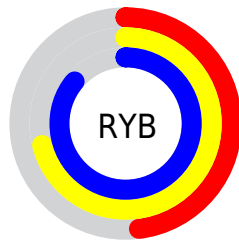
The XYZ color **42.9135, 59.0417, 57.8496** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.1442, 31.4032, 33.5482**, and the grayscale version is **47.4048, 49.8735, 54.3122**.

A 20% lighter version of the original color is **70.9850, 87.7575, 100.3864**, and **19.9708, 29.4809, 28.3047** is the 20% darker color. If you saturate the color by 10%, you get **39.4251, 57.3280, 53.9328**, and if you desaturate by 10%, it is **47.1443, 61.1373, 61.9813**.

Distribution



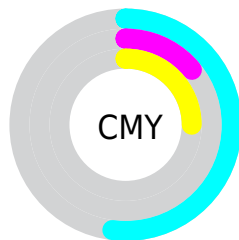
- Red (48%)
- Green (86%)
- Blue (75%)



- Red (48%)
- Yellow (71%)
- Blue (86%)



- Cyan (45%)
- Magenta (0%)
- Yellow (14%)
- Black (14%)





- Cyan (52%)
- Magenta (14%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9135, 59.0417, 57.8496 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 42.9135, 59.0417, 57.8496 by changing the saturation by 10% instead.


 42.9135, 59.0417,
57.8496


 42.9135, 59.0417,
57.8496

349.1835,
421.0564, 434.2079


 30.0115, 42.6467,
41.2738


 78.8368, 103.4383,
103.2164

 19.9954, 29.6080,
28.2118


 102.5889,
132.2086, 132.8446

 12.5000, 19.5412,
18.2450


 130.6883,
165.8729, 167.6606

 7.1597, 12.0620,
10.9547

163.5004,
204.8154, 208.0831

 3.6094, 6.7859,
5.9226

201.3907,
249.4206, 254.5305

 1.4836, 3.3286,
2.7301

244.7243,

 0.3147, 1.3056,

300.0730, 307.4214

0.9585

293.8668,
357.1568, 367.1743

■ 0.0000, 0.1455,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.9135, 59.0417,
57.8496

■ 42.9135, 59.0417,
57.8496

■ 39.4251, 57.3280,
53.9328

■ 47.1443, 61.1373,
61.9813

■ 36.6255, 55.9640,
50.2222

■ 52.1568, 63.6302,
66.3283


■ 34.4616, 54.9239,
46.7141


■ 57.9930, 66.5439,
70.8961


■ 32.8703, 54.1751,
43.4033


■ 64.6908, 69.8976,
75.6886

 31.7742, 53.6780,
40.2834


 72.2855, 73.7095,
80.7098

 31.3153, 53.4769,
38.6579

 80.8103, 77.9967,
85.9632

 82.1420, 78.5716,
91.0710

 83.1457, 78.9731,
96.3565

 84.1868, 79.3895,
101.8388

Harmonies

Analogous

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



45.5521, 59.0417, 41.3408



42.9135, 59.0417, 57.8496



43.5571, 59.0417, 80.3086

Triad

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



42.9135, 59.0417, 57.8496



61.4637, 59.0417, 111.7752



65.8466, 59.0417, 37.0355

Complementary

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



42.9135, 59.0417, 57.8496



42.1442, 31.4032, 33.5482

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.



70.8862, 59.0417, 50.5509



42.9135, 59.0417, 57.8496



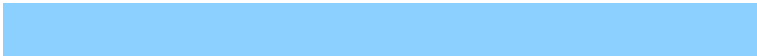
68.2016, 59.0417, 94.4555

Square

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



42.9135, 59.0417, 57.8496



53.8224, 59.0417, 114.9765



71.7848, 59.0417, 71.1837



58.4767, 59.0417, 31.2351

Rectangle

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



42.9135, 59.0417, 57.8496



45.7863, 59.0417, 95.6455



71.7848, 59.0417, 71.1837



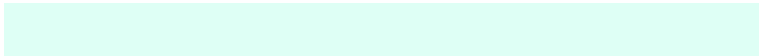
67.8961, 59.0417, 40.6615

Sweetspot

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



42.9152, 59.0441, 57.8510



82.2970, 93.6094, 99.9982



42.2511, 59.3696, 27.6459



17.1964, 19.8270, 21.0918



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.



42.9152, 59.0441, 57.8510



55.5747, 80.3382, 75.9452



42.0745, 51.5638, 75.4482



13.2663, 14.7581, 15.8651



18.4297, 31.4045, 22.9600



1.2317, 2.0496, 1.6864

Inverse Universe

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



42.1442, 31.4032, 33.5482



54.3913, 37.2380, 38.1433



42.4031, 35.3688, 23.0053



13.2193, 13.1168, 14.4163



17.9667, 9.1877, 4.2049



1.2018, 0.6104, 0.4718

Previews

White Background



This preview shows how the XYZ color 42.9135, 59.0417, 57.8496 looks on a white background.

Color Contrast Check

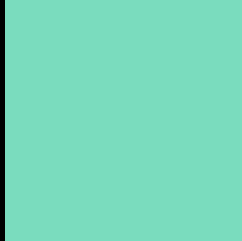
Large Text (above 18pt) WCAG AA × Fail

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 42.9135, 59.0417, 57.8496 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

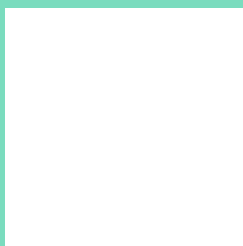
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9135, 59.0417, 57.8496

Background



This preview shows how black text looks on a background with the XYZ color 42.9135, 59.0417, 57.8496.

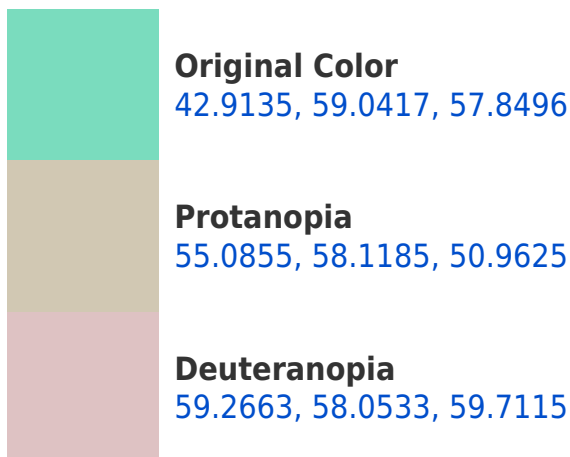


This preview shows how white text looks on a background with the XYZ color 42.9135, 59.0417,

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

48.1432, 58.8492, 84.4229

Trichromacy



Original Color

42.9135, 59.0417, 57.8496



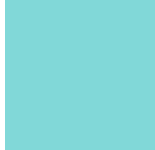
Protanomaly

48.9915, 57.3917, 53.2953



Deuteranomaly

51.2313, 57.0012, 58.7542



Tritanomaly

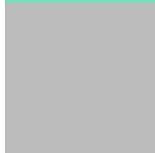
46.0038, 58.7367, 73.8784

Monochromacy



Original Color

42.9135, 59.0417, 57.8496



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.6048, 52.2642, 55.3140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9135, 59.0417, 57.8496 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(122, 220, 190)` looks like.

```
.text, #text, p{  
    color:rgb(122, 220, 190)  
}
```

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(122, 220, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 220, 190) }
```

Border

The CSS property to change the border of an element to XYZ 42.9135, 59.0417, 57.8496 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(122, 220, 190) }
```


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

```
.border{ border-color:rgb(122, 220, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 220, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 220, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 220, 190);  
box-shadow:4px 4px 4px 4px rgb(122, 220,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9135, 59.0417, 57.8496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 220, 190) }
```

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

```
.background{ background-color: rgb(122,  
220, 190) }
```

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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