

Converting Colors

XYZ(47.8022, 52.8829, 59.8714)

Have a look what the booklet for
XYZ(47.8022, 52.8829, 59.8714)
contains.

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Color

**XYZ(47.8352, 52.8125,
59.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C4C4
RGB	177, 196, 196
RGB Percent	69%, 77%, 77%
CMY	0.3059, 0.2314, 0.2314
CMYK	0.10, 0.00, 0.00, 0.23
HSL	180°, 14%, 73%
HSV	180°, 10%, 77%
XYZ	47.8352, 52.8125, 59.8972
YIQ	190.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

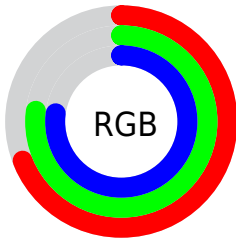
Format	Color
RYB	177, 187, 196
Decimal	11650244
CIELab	77.76, -6.44, -2.21
CIELCh	78, 6.809, 198.960
Yxy	52.8125, 0.2980, 0.3290
Android (android.graphics.Color)	4289840324 (0xFFB1C4C4)
YUV	190.3190, 2.8007, -11.6808
Hunter-Lab	72.6722, -9.6819, 2.0031

Details

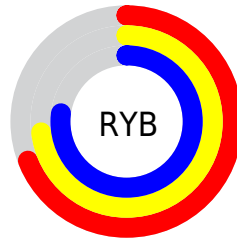
The XYZ color **47.8352, 52.8125, 59.8972** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.4248, 46.3558, 48.0981**, and the grayscale version is **49.1177, 51.6756, 56.2748**.

A 20% lighter version of the original color is **86.4592, 94.6660, 106.6440**, and **22.8677, 25.5841, 29.3242** is the 20% darker color. If you saturate the color by 10%, you get **43.6876, 50.6758, 59.7024**, and if you desaturate by 10%, it is **52.6271, 55.2842, 60.1244**.

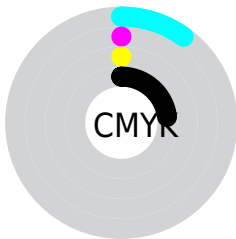
Distribution



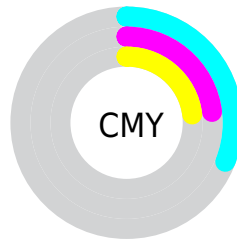
- Red (69%)
- Green (77%)
- Blue (77%)



- Red (69%)
- Yellow (73%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8352, 52.8125, 59.8972 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 47.8352, 52.8125, 59.8972 by changing the saturation by 10% instead.

■ 47.8352, 52.8125,
59.8972

■ 47.8352, 52.8125,
59.8972

368.7320,
397.5653, 442.0129

■ 33.9071, 37.6531,
42.9110

■ 86.1702, 94.3284,
106.2224

■ 22.9848, 25.7136,
29.4844

111.3077,
121.4537, 136.3986

■ 14.7029, 16.6095,
19.1989

140.9125,
153.3364, 171.8085

■ 8.6961, 9.9565,
11.6358

175.3499,
190.3610, 212.8706

■ 4.5990, 5.3701,
6.3767

214.9851,
232.9118, 260.0036

■ 2.0463, 2.4660,
3.0030

260.1837,

■ 0.6598, 0.8595,

281.3732, 313.6260

1.0962

311.3108,
336.1296, 374.1562

■ 0.0000, 0.0000,
0.0000

■ 47.8352, 52.8125,
59.8972

■ 47.8352, 52.8125,
59.8972

■ 43.6876, 50.6758,
59.7024

■ 52.6271, 55.2842,
60.1244

■ 40.1525, 48.8534,
59.5351

■ 58.0844, 58.0975,
60.3816

■ 37.2023, 47.3326,
59.3952

■ 64.2326, 61.2670,
60.6712

■ 34.8055, 46.0970,
59.2812

■ 70.9463, 64.7280,
60.9872

■ 32.9275, 45.1290,
59.1915

■ 70.9466, 64.7281,
60.9891

■ 31.5301, 44.4086,
59.1242

■ 70.9470, 64.7283,
60.9909

■ 30.5697, 43.9135,
59.0775

■ 70.9473, 64.7284,
60.9928

■ 29.9946, 43.6171,
59.0487

■ 70.9477, 64.7285,
60.9946

■ 29.7092, 43.4700,
59.0335

■ 70.9480, 64.7287,
60.9964

Harmonies

Analogous

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



47.7474, 52.8125, 56.1236



47.8352, 52.8125, 59.8972



48.5492, 52.8125, 63.1604

Triad

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



47.8352, 52.8125, 59.8972



52.1348, 52.8125, 62.4079



50.6841, 52.8125, 50.6628

Complementary

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



47.8352, 52.8125, 59.8972



46.4248, 46.3558, 48.0981

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.



51.8811, 52.8125, 52.1955



47.8352, 52.8125, 59.8972



52.7283, 52.8125, 58.9065

Square

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



47.8352, 52.8125, 59.8972



51.0256, 52.8125, 64.6533



52.6347, 52.8125, 55.1751



49.3768, 52.8125, 50.9019

Rectangle

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



47.8352, 52.8125, 59.8972



49.2913, 52.8125, 64.5558



52.6347, 52.8125, 55.1751



51.1131, 52.8125, 50.9851

Sweetspot

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



47.8367, 52.8147, 59.8984



92.2911, 98.5778, 108.7699



45.8810, 52.0408, 49.2225



19.6003, 21.0204, 23.2740



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.



47.8367, 52.8147, 59.8984



84.6738, 94.6510, 108.4104



45.8282, 48.7972, 59.2306



10.3685, 11.4285, 12.9439



19.0838, 27.9276, 37.9297



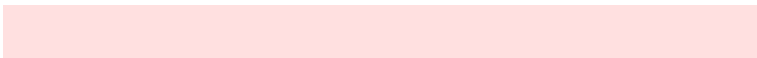
0.8246, 1.2067, 1.6390

Inverse Universe

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



46.4248, 46.3558, 48.0981



81.5128, 80.1904, 81.9913



48.3002, 50.1071, 48.7218



10.0733, 10.0779, 10.4765



14.6276, 7.5408, 0.6853



0.6320, 0.3258, 0.0297

Previews

White Background



This preview shows how the XYZ color 47.8352, 52.8125, 59.8972 looks on a white background.

Color Contrast Check

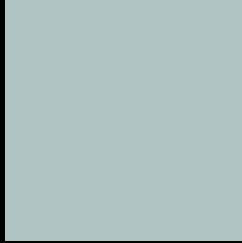
Large Text (above 18pt) WCAG AA × Fail

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 47.8352, 52.8125, 59.8972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

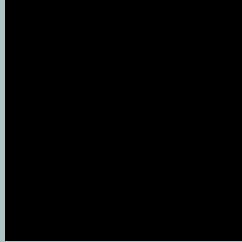
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8352, 52.8125, 59.8972

Background



This preview shows how black text looks on a background with the XYZ color 47.8352, 52.8125, 59.8972.

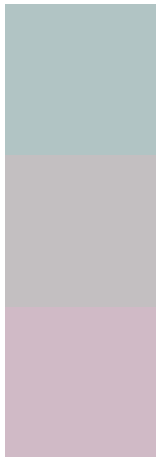


This preview shows how white text looks on a background with the XYZ color 47.8352, 52.8125,

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

47.8352, 52.8125, 59.8972

Protanopia

50.7621, 52.7140, 57.9514

Deuteranopia

53.7644, 52.6049, 60.7462



Tritanopia

49.3908, 52.7707, 67.9042

Trichromacy



Original Color

47.8352, 52.8125, 59.8972

Protanomaly

49.5466, 52.7263, 58.6048

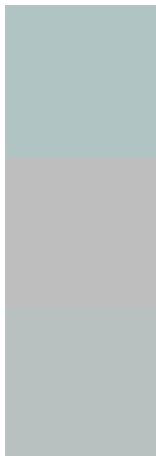
Deuteranomaly

51.5175, 52.7284, 60.2857

Tritanomaly

48.7743, 52.8548, 64.7581

Monochromacy



Original Color

47.8352, 52.8125, 59.8972

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.3716, 51.8193, 57.3218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8352, 52.8125, 59.8972 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(177, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(177, 196, 196)  
}
```

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(177, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.8352, 52.8125, 59.8972 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(177, 196, 196) }
```


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

```
.border{ border-color:rgb(177, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(177, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8352, 52.8125, 59.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 196, 196) }
```

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

```
.background{ background-color: rgb(177,  
196, 196) }
```

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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