

Converting Colors

XYZ(47.8019, 52.8034, 59.4652)

Have a look what the booklet for
XYZ(47.8019, 52.8034, 59.4652)
contains.

XYZ(47.7217, 52.7671, 59.2996)	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(47.7217, 52.7671,
59.2996)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C4C3
RGB	177, 196, 195
RGB Percent	69%, 77%, 76%
CMY	0.3059, 0.2314, 0.2353
CMYK	0.10, 0.00, 0.01, 0.23
HSL	177°, 14%, 73%
HSV	177°, 10%, 77%
XYZ	47.7217, 52.7671, 59.2996
YIQ	190.2050, -11.0030, -4.3390

Conversions

Conversions Part 2

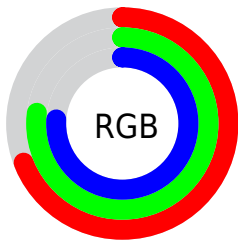
Format	Color
RYB	177, 187, 196
Decimal	11650243
CIELab	77.74, -6.64, -1.71
CIELCh	78, 6.856, 194.460
Yxy	52.7671, 0.2987, 0.3302
Android (android.graphics.Color)	4289840323 (0xFFB1C4C3)
YUV	190.2050, 2.3639, -11.5808
Hunter-Lab	72.6410, -9.8556, 2.4480

Details

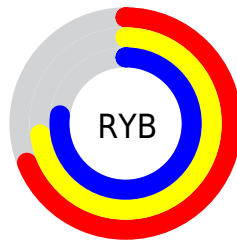
The XYZ color **47.7217, 52.7671, 59.2996** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5249, 46.3958, 48.6251**, and the grayscale version is **49.0542, 51.6089, 56.2021**.

A 20% lighter version of the original color is **86.3002, 94.6025, 105.8071**, and **22.7929, 25.5542, 28.9304** is the 20% darker color. If you saturate the color by 10%, you get **43.4578, 50.5839, 58.4926**, and if you desaturate by 10%, it is **52.6307, 55.2856, 60.1433**.

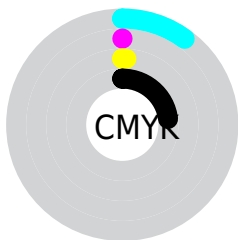
Distribution



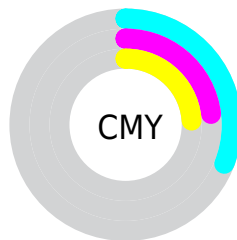
- Red (69%)
- Green (77%)
- Blue (76%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7217, 52.7671, 59.2996 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 47.7217, 52.7671, 59.2996 by changing the saturation by 10% instead.

■ 47.7217, 52.7671,
59.2996

■ 47.7217, 52.7671,
59.2996

368.2889,
397.3909, 439.7440

■ 33.8169, 37.6169,
42.4327

■ 86.0021, 94.2616,
105.3464

■ 22.9152, 25.6855,
29.1122

111.1084,
121.3746, 135.3634

■ 14.6512, 16.5885,
18.9194

140.6792,
153.2440, 170.6008

■ 8.6597, 9.9415,
11.4358

175.0800,
190.2543, 211.4773

■ 4.5752, 5.3602,
6.2429

214.6759,
232.7897, 258.4113

■ 2.0324, 2.4601,
2.9222

259.8325,

■ 0.6521, 0.8566,

281.2347, 311.8214

1.0550

310.9151,
335.9736, 372.1262

■ 0.0000, 0.0000,
0.0000

■ 47.7217, 52.7671,
59.2996

■ 47.7217, 52.7671,
59.2996

■ 43.4578, 50.5839,
58.4926

■ 52.6307, 55.2856,
60.1433

■ 39.8073, 48.7153,
57.7174

■ 58.2058, 58.1461,
61.0212

■ 36.7424, 47.1487,
56.9738

■ 64.4727, 61.3630,
61.9358

■ 34.2318, 45.8676,
56.2603

■ 71.3059, 64.8718,
62.8812

■ 32.2408, 44.8543,
55.5754

■ 71.4266, 64.9201,
63.5167

■ 30.7312, 44.0891,
54.9172

■ 71.5481, 64.9687,
64.1565

■ 29.6593, 43.5494,
54.2837

■ 71.6704, 65.0176,
64.8006

■ 28.9736, 43.2087,
53.6724

■ 71.7936, 65.0669,
65.4490

■ 28.5784, 43.0177,
53.0788

■ 71.9175, 65.1165,
66.1018

Harmonies

Analogous

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



47.7338, 52.7671, 55.5176



47.7217, 52.7671, 59.2996



48.3533, 52.7671, 62.7294

Triad

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



47.7217, 52.7671, 59.2996



51.9631, 52.7671, 62.8329



50.8407, 52.7671, 50.6938

Complementary

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



47.7217, 52.7671, 59.2996



46.5249, 46.3958, 48.6251

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.



51.9980, 52.7671, 52.4837



47.7217, 52.7671, 59.2996



52.6538, 52.7671, 59.4357

Square

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



47.7217, 52.7671, 59.2996



50.7938, 52.7671, 64.8296



52.6666, 52.7671, 55.6479



49.5187, 52.7671, 50.6609

Rectangle

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



47.7217, 52.7671, 59.2996



49.0608, 52.7671, 64.3076



52.6666, 52.7671, 55.6479



51.2624, 52.7671, 51.1063

Sweetspot

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



47.7232, 52.7693, 59.3008



92.2264, 98.5519, 108.4289



46.0986, 52.1530, 49.2327



19.5827, 21.0134, 23.1815



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.



47.7232, 52.7693, 59.3008



84.4156, 94.5477, 107.0506



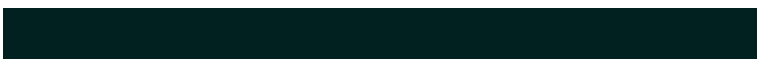
46.0302, 49.2012, 59.2979



10.3448, 11.4190, 12.8192



18.3652, 27.6402, 34.1461



0.8007, 1.1971, 1.5130

Inverse Universe

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



46.5249, 46.3958, 48.6251



81.7328, 80.2784, 83.1499



48.1005, 49.7075, 48.6551



10.0943, 10.0863, 10.5870



14.6740, 7.5593, 0.9292



0.6416, 0.3296, 0.0801

Previews

White Background



This preview shows how the XYZ color 47.7217, 52.7671, 59.2996 looks on a white background.

Color Contrast Check

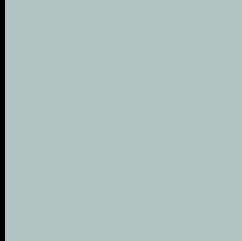
Large Text (above 18pt) WCAG AA × Fail

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 47.7217, 52.7671, 59.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

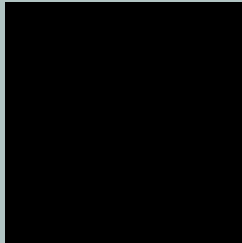
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

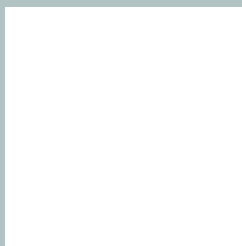
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7217, 52.7671, 59.2996

Background



This preview shows how black text looks on a background with the XYZ color 47.7217, 52.7671, 59.2996.

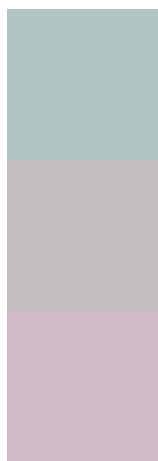


This preview shows how white text looks on a background with the XYZ color 47.7217, 52.7671,

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

47.7217, 52.7671, 59.2996

Protanopia

50.6509, 52.6695, 57.3658

Deuteranopia

53.6494, 52.5589, 60.1406



Tritanopia

49.3908, 52.7707, 67.9042

Trichromacy



Original Color

47.7217, 52.7671, 59.2996

Protanomaly

49.4346, 52.6816, 58.0151

Deuteranomaly

51.4032, 52.6828, 59.6841

Tritanomaly

48.7743, 52.8548, 64.7581

Monochromacy



Original Color

47.7217, 52.7671, 59.2996

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 47.7217, 52.7671, 59.2996 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(177, 196, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 196, 195) }
```

Border

The CSS property to change the border of an element to XYZ 47.7217, 52.7671, 59.2996 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, 195) }
```


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

```
.border{ border-color:rgb(177, 196, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 196, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 196, 195);  
box-shadow:4px 4px 4px 4px rgb(177, 196,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7217, 52.7671, 59.2996 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, 195) }
```

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

```
.background{ background-color: rgb(177,  
196, 195) }
```

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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