

Converting Colors

XYZ(47.0256, 51.9556, 59.4772)

Have a look what the booklet for
XYZ(47.0256, 51.9556, 59.4772)
contains.

XYZ(47.1581, 52.1297, 59.8011)	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(47.1581, 52.1297,
59.8011)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC3C4
RGB	175, 195, 196
RGB Percent	69%, 76%, 77%
CMY	0.3137, 0.2353, 0.2314
CMYK	0.11, 0.01, 0.00, 0.23
HSL	183°, 15%, 73%
HSV	183°, 11%, 77%
XYZ	47.1581, 52.1297, 59.8011
YIQ	189.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

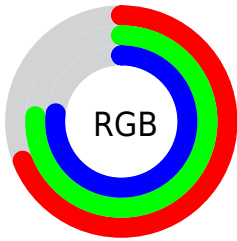
Format	Color
RYB	175, 185, 196
Decimal	11518916
CIELab	77.36, -6.58, -2.82
CIELCh	77, 7.157, 203.244
Yxy	52.1297, 0.2964, 0.3277
Android (android.graphics.Color)	4289708996 (0xFFAFC3C4)
YUV	189.1340, 3.3849, -12.3955
Hunter-Lab	72.2009, -9.7641, 1.4331

Details

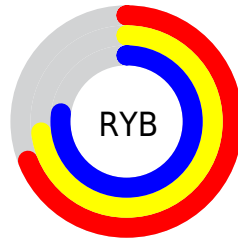
The XYZ color **47.1581, 52.1297, 59.8011** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0284, 45.8813, 46.9883**, and the grayscale version is **48.4339, 50.9562, 55.4914**.

A 20% lighter version of the original color is **85.4950, 93.7016, 106.5087**, and **22.4334, 25.1403, 29.2614** is the 20% darker color. If you saturate the color by 10%, you get **42.8669, 49.6103, 59.5418**, and if you desaturate by 10%, it is **52.0921, 54.9852, 60.0930**.

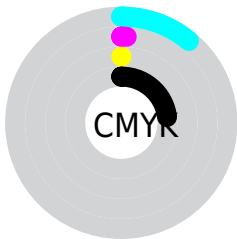
Distribution



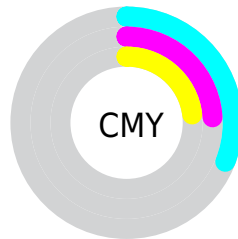
- Red (69%)
- Green (76%)
- Blue (77%)



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



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (23%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1581, 52.1297, 59.8011 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 47.1581, 52.1297, 59.8011 by changing the saturation by 10% instead.

■ 47.1581, 52.1297,
59.8011

■ 47.1581, 52.1297,
59.8011

366.0836,
394.9371, 441.6485

■ 33.3691, 37.1085,
42.8341

■ 85.1669, 93.3225,
106.0816

■ 22.5700, 25.2915,
29.4245

110.1174,
120.2628, 136.2322

■ 14.3952, 16.2944,
19.1539

139.5191,
151.9450, 171.6144

■ 8.4796, 9.7327,
11.6036

173.7374,
188.7534, 212.6468

■ 4.4577, 5.2221,
6.3551

213.1377,
231.0724, 259.7478

■ 1.9642, 2.3781,
2.9899

258.0852,

■ 0.6137, 0.8146,

279.2865, 313.3361

1.0895

308.9454,
333.7799, 373.8302

■ 0.0000, 0.0000,
0.0000

■ 47.1581, 52.1297,
59.8011

■ 47.1581, 52.1297,
59.8011

■ 42.8669, 49.6103,
59.5418

■ 52.0921, 54.9852,
60.0930

■ 39.1867, 47.4064,
59.3104

■ 57.6902, 58.1836,
60.4153

■ 36.0895, 45.5051,
59.1066

■ 63.9782, 61.7396,
60.7703

■ 33.5437, 43.8898,
58.9290

■ 70.9792, 65.6650,
61.1590

■ 31.5142, 42.5427,
58.7760

■ 71.7790, 66.3956,
61.2578

■ 29.9625, 41.4437,
58.6456

■ 71.9947, 66.8270,
61.3297

■ 28.8441, 40.5701,
58.5359

■ 72.2117, 67.2611,
61.4021

■ 28.1064, 39.8946,
58.4444

■ 72.4300, 67.6977,
61.4749

■ 27.6697, 39.3971,
58.3714

■ 72.6497, 68.1371,
61.5481

Harmonies

Analogous

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



46.9685, 52.1297, 55.8743



47.1581, 52.1297, 59.8011



47.9825, 52.1297, 63.0451

Triad

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



47.1581, 52.1297, 59.8011



51.6961, 52.1297, 61.4127



49.8594, 52.1297, 49.5688

Complementary

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



47.1581, 52.1297, 59.8011



46.0284, 45.8813, 46.9883

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.



51.1466, 52.1297, 50.9079



47.1581, 52.1297, 59.8011



52.2197, 52.1297, 57.6558

Square

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



47.1581, 52.1297, 59.8011



50.5984, 52.1297, 64.0052



52.0167, 52.1297, 53.8245



48.5117, 52.1297, 50.0840

Rectangle

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



47.1581, 52.1297, 59.8011



48.7895, 52.1297, 64.3232



52.0167, 52.1297, 53.8245



50.3138, 52.1297, 49.8149

Sweetspot

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



47.1596, 52.1319, 59.8023



92.1756, 98.3463, 108.7323



45.2268, 51.7174, 48.5184



19.5690, 20.9577, 23.2638



0.0000, 0.0000, 0.0000



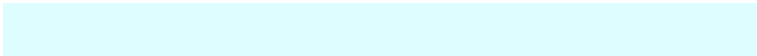
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1596, 52.1319, 59.8023



83.3882, 93.2458, 108.2110



44.9510, 47.7147, 59.0661



10.3262, 11.3438, 12.9302



17.7971, 25.3507, 37.5118



0.7818, 1.1210, 1.6250

Inverse Universe

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



47.9464, 46.3369, 58.0492



85.1190, 80.5419, 104.3447



48.1047, 50.0339, 47.6804



10.4760, 10.2390, 12.5970



20.3791, 9.8414, 30.9722



0.8870, 0.4278, 1.3723

Previews

White Background



This preview shows how the XYZ color 47.1581, 52.1297, 59.8011 looks on a white background.

Color Contrast Check

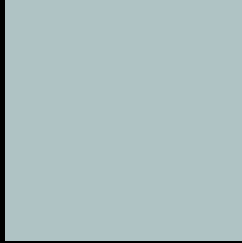
Large Text (above 18pt) WCAG AA × Fail

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 47.1581, 52.1297, 59.8011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

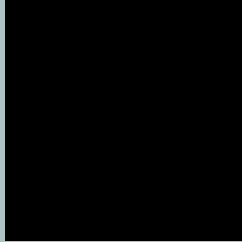
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

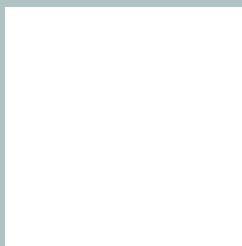
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1581, 52.1297, 59.8011

Background



This preview shows how black text looks on a background with the XYZ color 47.1581, 52.1297, 59.8011.



This preview shows how white text looks on a background with the XYZ color 47.1581, 52.1297, 59.8011.

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

47.1581, 52.1297, 59.8011

Protanopia

50.0314, 52.0146, 57.8550

Deuteranopia

52.9956, 51.8970, 60.6500



Tritanopia

48.5866, 52.0411, 67.1587

Trichromacy



Original Color

47.1581, 52.1297, 59.8011

Protanomaly

48.8369, 52.0334, 58.5084

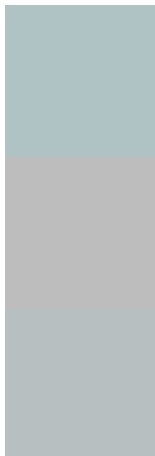
Deuteranomaly

50.7813, 52.0285, 60.1894

Tritanomaly

48.0954, 52.1733, 64.6623

Monochromacy



Original Color

47.1581, 52.1297, 59.8011

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9124, 51.2577, 57.2376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1581, 52.1297, 59.8011 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(175, 195, 196) looks like.

```
.text, #text, p{  
    color:rgb(175, 195, 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(175, 195, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 195, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.1581, 52.1297, 59.8011 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(175, 195, 196) }
```


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

```
.border{ border-color:rgb(175, 195, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 195, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 195, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 195, 196);  
box-shadow:4px 4px 4px 4px rgb(175, 195,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1581, 52.1297, 59.8011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 195, 196) }
```

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

```
.background{ background-color: rgb(175,  
195, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor