

Converting Colors

XYZ(47.6395, 51.6056, 58.7939)

Have a look what the booklet for
XYZ(47.6395, 51.6056, 58.7939)
contains.

XYZ(47.7427, 51.7834, 59.1086)	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(47.7427, 51.7834,
59.1086)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C1C3
RGB	180, 193, 195
RGB Percent	71%, 76%, 76%
CMY	0.2941, 0.2431, 0.2353
CMYK	0.08, 0.01, 0.00, 0.24
HSL	188°, 11%, 74%
HSV	188°, 8%, 76%
XYZ	47.7427, 51.7834, 59.1086
YIQ	189.3410, -8.3900, -2.1340

Conversions

Conversions Part 2

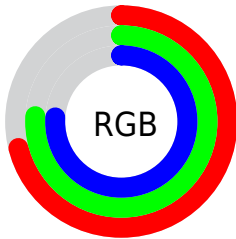
Format	Color
RYB	180, 187, 195
Decimal	11846083
CIELab	77.15, -4.05, -2.55
CIELCh	77, 4.788, 212.140
Yxy	51.7834, 0.3010, 0.3264
Android (android.graphics.Color)	4290036163 (0xFFB4C1C3)
YUV	189.3410, 2.7899, -8.1921
Hunter-Lab	71.9607, -7.5044, 1.6716

Details

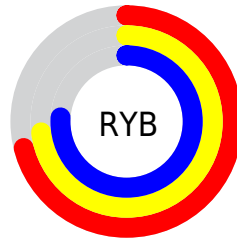
The XYZ color **47.7427, 51.7834, 59.1086** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.4720, 48.3529, 50.0119**, and the grayscale version is **48.5542, 51.0828, 55.6292**.

A 20% lighter version of the original color is **86.0384, 92.6125, 105.4368**, and **22.9382, 25.1913, 28.8527** is the 20% darker color. If you saturate the color by 10%, you get **42.9502, 48.4697, 58.7224**, and if you desaturate by 10%, it is **53.1869, 55.4509, 59.5303**.

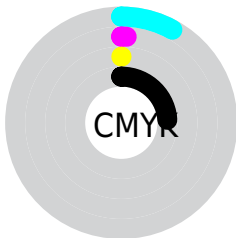
Distribution



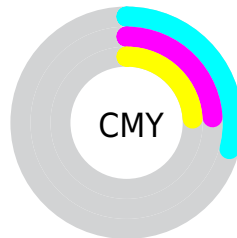
- Red (71%)
- Green (76%)
- Blue (76%)



- Red (71%)
- Yellow (73%)
- Blue (76%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



- Cyan (29%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7427, 51.7834, 59.1086 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 47.7427, 51.7834, 59.1086 by changing the saturation by 10% instead.

■ 47.7427, 51.7834,
59.1086

■ 47.7427, 51.7834,
59.1086

368.3709,
393.5998, 439.0173

■ 33.8336, 36.8325,
42.2800

■ 86.0332, 92.8117,
105.0662

■ 22.9281, 25.0778,
28.9934

111.1453,
119.6579, 135.0322

■ 14.6608, 16.1350,
18.8303

140.7224,
151.2379, 170.2144

■ 8.6664, 9.6198,
11.3721

175.1299,
187.9362, 211.0313

■ 4.5796, 5.1476,
6.2004

214.7332,
230.1372, 257.9015

■ 2.0350, 2.3341,
2.8966

259.8975,

■ 0.6535, 0.7917,

278.2251, 311.2436

1.0421

310.9883,
332.5846, 371.4760

■ 0.0000, 0.0000,
0.0000

■ 47.7427, 51.7834,
59.1086

■ 47.7427, 51.7834,
59.1086

■ 42.9502, 48.4697,
58.7224

■ 53.1869, 55.4509,
59.5303

■ 38.7784, 45.4895,
58.3670

■ 59.3034, 59.4785,
59.9854

■ 35.2004, 42.8301,
58.0423

■ 66.1174, 63.8808,
60.4760

■ 32.1855, 40.4758,
57.7468

■ 72.5382, 68.0956,
60.9511

■ 29.7002, 38.4091,
57.4789

■ 73.1579, 69.3351,
61.1577

■ 27.7074, 36.6110,
57.2368

■ 73.7880, 70.5953,
61.3677

■ 26.1654, 35.0597,
57.0186

■ 74.4285, 71.8762,
61.5812

■ 25.0249, 33.7298,
56.8221

■ 75.0793, 73.1779,
61.7982

■ 24.2144, 32.5844,
56.6437

■ 75.7406, 74.5005,
62.0186

Harmonies

Analogous

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



47.4800, 51.7834, 56.5718



47.7427, 51.7834, 59.1086



48.4003, 51.7834, 60.9598

Triad

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



47.7427, 51.7834, 59.1086



50.7916, 51.7834, 58.7727



49.1529, 51.7834, 51.4930

Complementary

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



47.7427, 51.7834, 59.1086



47.4720, 48.3529, 50.0119

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.



50.0460, 51.7834, 52.0418



47.7427, 51.7834, 59.1086



50.9991, 51.7834, 56.1953

Square

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



47.7427, 51.7834, 59.1086



50.1612, 51.7834, 60.7617



50.7245, 51.7834, 53.7431



48.2878, 51.7834, 52.2204

Rectangle

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



47.7427, 51.7834, 59.1086



48.9782, 51.7834, 61.5274



50.7245, 51.7834, 53.7431



49.4598, 51.7834, 51.5343

Sweetspot

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



47.7442, 51.7856, 59.1097



90.8821, 96.3853, 106.2840



46.7560, 52.1014, 51.7137



19.9237, 21.1218, 23.2768



0.0000, 0.0000, 0.0000



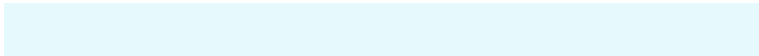
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7442, 51.7856, 59.1097



84.1958, 91.8497, 105.7610



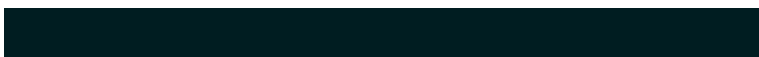
46.1798, 48.6569, 58.5883



10.2505, 11.1923, 12.9049



15.6731, 21.1026, 36.8038



0.7096, 0.9765, 1.6010

Inverse Universe

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



48.4537, 48.0959, 57.1843



85.6950, 84.0889, 101.6850



48.9961, 51.4011, 50.5199



10.4377, 10.2237, 12.3957



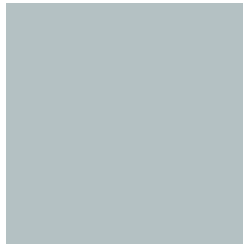
19.3070, 9.4126, 25.3265



0.8505, 0.4132, 1.1803

Previews

White Background



This preview shows how the XYZ color 47.7427, 51.7834, 59.1086 looks on a white background.

Color Contrast Check

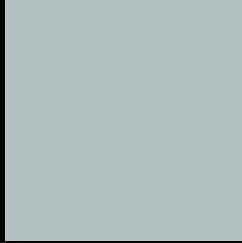
Large Text (above 18pt) WCAG AA × Fail

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 47.7427, 51.7834, 59.1086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

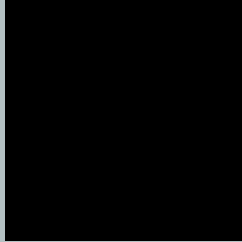
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

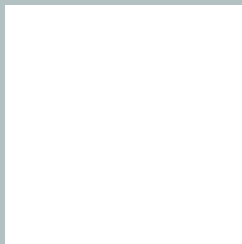
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7427, 51.7834, 59.1086

Background



This preview shows how black text looks on a background with the XYZ color 47.7427, 51.7834, 59.1086.

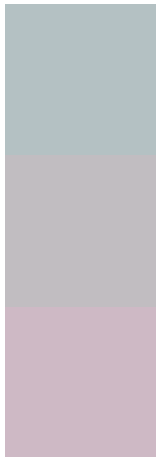


This preview shows how white text looks on a background with the XYZ color 47.7427, 51.7834,

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

47.7427, 51.7834, 59.1086

Protanopia

49.8156, 51.5829, 57.7830

Deuteranopia

52.8806, 51.8510, 60.0444



Tritanopia

49.0628, 51.6629, 65.7786

Trichromacy



Original Color

47.7427, 51.7834, 59.1086

Protanomaly

48.8901, 51.4133, 58.3859

Deuteranomaly

50.9730, 51.8223, 59.5407

Tritanomaly

48.5664, 51.7873, 63.3133

Monochromacy



Original Color

47.7427, 51.7834, 59.1086

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0671, 51.0276, 56.6061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7427, 51.7834, 59.1086 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(180, 193, 195) looks like.

```
.text, #text, p{  
    color:rgb(180, 193, 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(180, 193, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 193, 195) }
```

Border

The CSS property to change the border of an element to XYZ 47.7427, 51.7834, 59.1086 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(180, 193, 195) }
```


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

```
.border{ border-color:rgb(180, 193, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 193, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 193, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 193, 195);  
box-shadow:4px 4px 4px 4px rgb(180, 193,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7427, 51.7834, 59.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 193, 195) }
```

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

```
.background{ background-color: rgb(180,  
193, 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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