

Converting Colors

XYZ(47.7811, 50.3705, 58.4571)

Have a look what the booklet for
XYZ(47.7811, 50.3705, 58.4571)
contains.

XYZ(47.9428, 50.6045, 58.2797)	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(47.9428, 50.6045,
58.2797)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BDC2
RGB	185, 189, 194
RGB Percent	73%, 74%, 76%
CMY	0.2745, 0.2588, 0.2392
CMYK	0.05, 0.03, 0.00, 0.24
HSL	213°, 7%, 74%
HSV	213°, 5%, 76%
XYZ	47.9428, 50.6045, 58.2797
YIQ	188.3740, -3.9890, 0.7070

Conversions

Conversions Part 2

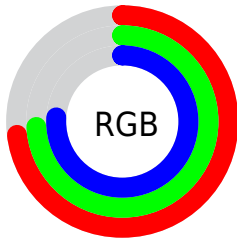
Format	Color
R _Y B	185, 188, 194
Decimal	12172738
CIE Lab	76.44, -0.43, -3.01
CIE LCh	76, 3.039, 261.882
Yxy	50.6045, 0.3057, 0.3227
Android (android.graphics.Color)	4290362818 (0xFFB9BDC2)
YUV	188.3740, 2.7736, -2.9590
Hunter-Lab	71.1368, -4.1891, 1.2218

Details

The XYZ color **47.9428, 50.6045, 58.2797** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.4187, 51.7986, 53.2933**, and the grayscale version is **48.0002, 50.4999, 54.9944**.

A 20% lighter version of the original color is **86.1834, 90.9077, 103.4471**, and **23.0535, 24.4073, 28.3070** is the 20% darker color. If you saturate the color by 10%, you get **41.3470, 43.8926, 57.3326**, and if you desaturate by 10%, it is **55.3523, 57.9942, 59.3163**.

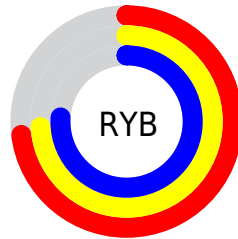
Distribution



Red (73%)

Green (74%)

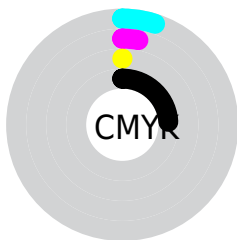
Blue (76%)



Red (73%)

Yellow (74%)

Blue (76%)

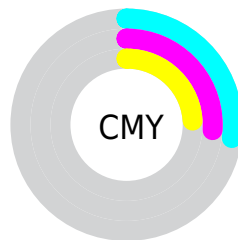


Cyan (5%)

Magenta (3%)

Yellow (0%)

Black (24%)



Cyan (27%)

Magenta (26%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9428, 50.6045, 58.2797 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 47.9428, 50.6045, 58.2797 by changing the saturation by 10% instead.

■ 47.9428, 50.6045,
58.2797

■ 47.9428, 50.6045,
58.2797

369.1517,
389.0252, 435.8547

■ 33.9927, 35.8939,
41.6174

■ 86.3294, 91.0699,
103.8489

■ 23.0508, 24.3523,
28.4785

111.4967,
117.5935, 133.5928

■ 14.7519, 15.5952,
18.4445

141.1336,
148.8236, 168.5343

■ 8.7307, 9.2381,
11.0968

175.6056,
185.1446, 209.0919

■ 4.6216, 4.8968,
6.0170

215.2781,
226.9409, 255.6842

■ 2.0595, 2.1869,
2.7865

260.5164,

■ 0.6670, 0.7128,

274.5968, 308.7298

0.9867

311.6858,
328.4968, 368.6471

■ 0.0000, 0.0000,
0.0000

■ 47.9428, 50.6045,
58.2797

■ 47.9428, 50.6045,
58.2797

■ 41.3470, 43.8926,
57.3326

■ 55.3523, 57.9942,
59.3163

■ 35.5310, 37.8313,
56.4692

■ 63.5989, 66.0748,
60.4414

■ 30.4651, 32.4009,
55.6880

■ 72.7105, 74.8674,
61.6583

■ 26.1157, 27.5783,
54.9864

■ 79.8599, 82.9195,
62.8357

■ 22.4467, 23.3386,
54.3614

■ 82.9872, 89.1740,
63.8781

■ 19.4185, 19.6551,
53.8100

■ 86.3035, 95.8067,
64.9835

■ 16.9867, 16.4983,
53.3289

■ 86.7377, 96.6751,
65.1283

■ 15.1009, 13.8351,
52.9142

■ 13.7003, 11.6269,
52.5618

Harmonies

Analogous

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



47.4218, 50.6045, 57.6171



47.9428, 50.6045, 58.2797



48.5095, 50.6045, 58.0770

Triad

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



47.9428, 50.6045, 58.2797



49.1267, 50.6045, 53.9332



47.2373, 50.6045, 53.1767

Complementary

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



47.9428, 50.6045, 58.2797



49.4187, 51.7986, 53.2933

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.



47.6890, 50.6045, 52.2260



47.9428, 50.6045, 58.2797



48.7807, 50.6045, 52.6567

Square

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



47.9428, 50.6045, 58.2797



49.1960, 50.6045, 55.5460



48.2537, 50.6045, 52.0375



47.0166, 50.6045, 54.6558

Rectangle

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



47.9428, 50.6045, 58.2797



48.8366, 50.6045, 57.4801



48.2537, 50.6045, 52.0375



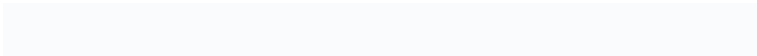
47.3670, 50.6045, 52.7859

Sweetspot

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



47.9443, 50.6067, 58.2808



91.5520, 96.3916, 106.2499



48.5890, 52.6142, 56.2820



20.0634, 21.1232, 23.2697



0.0000, 0.0000, 0.0000



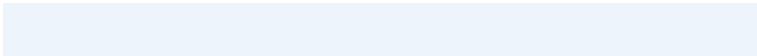
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9443, 50.6067, 58.2808



85.0311, 89.8389, 105.3288



47.2038, 48.9642, 58.0028



10.3070, 10.8930, 12.8441



8.6843, 7.1250, 34.4742



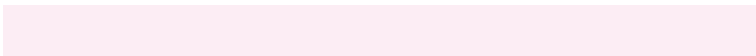
0.4438, 0.4451, 1.5124

Inverse Universe

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



48.7835, 49.8424, 55.1960



87.0152, 88.0576, 98.0303



50.1823, 53.4970, 53.5809



10.5669, 10.6607, 11.8878



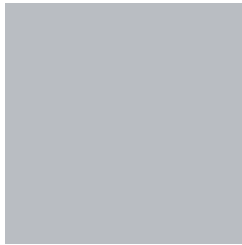
15.7794, 8.0015, 6.7503



0.7164, 0.3596, 0.4741

Previews

White Background



This preview shows how the XYZ color 47.9428, 50.6045, 58.2797 looks on a white background.

Color Contrast Check

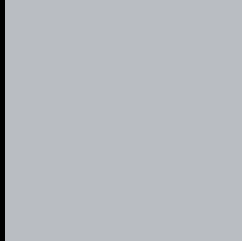
Large Text (above 18pt) WCAG AA × Fail

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 47.9428, 50.6045, 58.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

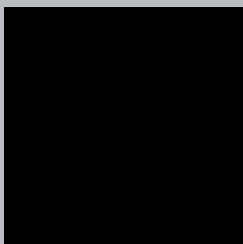
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

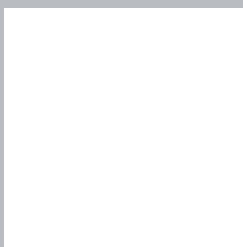
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9428, 50.6045, 58.2797

Background



This preview shows how black text looks on a background with the XYZ color 47.9428, 50.6045, 58.2797.



This preview shows how white text looks on a background with the XYZ color 47.9428, 50.6045,

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

47.9428, 50.6045, 58.2797

Protanopia

48.6312, 50.3381, 57.6052

Deuteranopia

51.6857, 50.6445, 58.6810



Tritanopia

49.0124, 50.7173, 63.7061

Trichromacy



Original Color

47.9428, 50.6045, 58.2797

Protanomaly

48.3479, 50.5081, 57.6529

Deuteranomaly

50.2252, 50.5084, 58.7317

Tritanomaly

48.6582, 50.5757, 61.8411

Monochromacy



Original Color

47.9428, 50.6045, 58.2797

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7710, 50.2489, 55.8964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9428, 50.6045, 58.2797 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(185, 189, 194)` looks like.

```
.text, #text, p{  
    color:rgb(185, 189, 194)  
}
```

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(185, 189, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 189, 194) }
```

Border

The CSS property to change the border of an element to XYZ 47.9428, 50.6045, 58.2797 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(185, 189, 194) }
```


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

```
.border{ border-color:rgb(185, 189, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 189, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 189, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 189, 194);  
box-shadow:4px 4px 4px 4px rgb(185, 189,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9428, 50.6045, 58.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 189, 194) }
```

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

```
.background{ background-color: rgb(185,  
189, 194) }
```

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