

Converting Colors

XYZ(42.0237, 38.9699, 57.5320)

Have a look what the booklet for
XYZ(42.0237, 38.9699, 57.5320)
contains.

XYZ(41.8904, 38.8491, 57.5153)	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(41.8904, 38.8491,
57.5153)**

Conversions

Conversions Part 1

Format	Color
Hex	B79FC4
RGB	183, 159, 196
RGB Percent	72%, 62%, 77%
CMY	0.2823, 0.3765, 0.2314
CMYK	0.07, 0.19, 0.00, 0.23
HSL	279°, 24%, 70%
HSV	279°, 19%, 77%
XYZ	41.8904, 38.8491, 57.5153
YIQ	170.3940, 2.4270, 16.5950

Conversions

Conversions Part 2

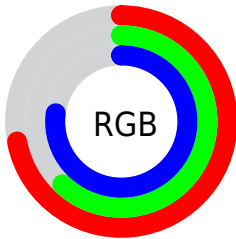
Format	Color
R_{YB}	183, 159, 196
Decimal	12033988
CIE _{Lab}	68.64, 15.67, -15.74
CIE _{LCh}	69, 22.210, 314.876
Yxy	38.8491, 0.3030, 0.2810
Android (android.graphics.Color)	4290224068 (0xFFB79FC4)
YUV	170.3940, 12.6238, 11.0555
Hunter-Lab	62.3290, 10.8913, -11.0806

Details

The XYZ color **41.8904, 38.8491, 57.5153** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.0126, 50.7547, 40.3324**, and the grayscale version is **38.3442, 40.3411, 43.9314**.

A 20% lighter version of the original color is **77.3728, 73.5357, 103.0443**, and **19.3461, 17.2142, 27.8942** is the 20% darker color. If you saturate the color by 10%, you get **37.1856, 31.8115, 56.4055**, and if you desaturate by 10%, it is **47.2121, 47.0001, 58.8087**.

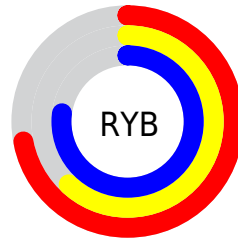
Distribution



Red (72%)

Green (62%)

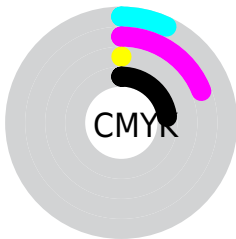
Blue (77%)



Red (72%)

Yellow (62%)

Blue (77%)

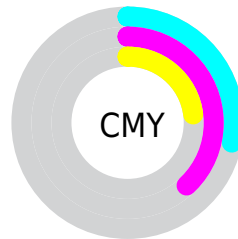


Cyan (7%)

Magenta (19%)

Yellow (0%)

Black (23%)



Cyan (28%)


Magenta (38%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8904, 38.8491, 57.5153 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 41.8904, 38.8491, 57.5153 by changing the saturation by 10% instead.


 41.8904, 38.8491,
57.5153

 41.8904, 38.8491,
57.5153


345.0278,
341.2485, 432.9251

 29.2062, 26.6424,
41.0070


 77.2999, 73.4077,
102.7245

 19.3819, 17.3048,
28.0048

 100.7560, 96.5284,
132.2624

 12.0522, 10.4520,
18.0902


128.5334,
124.0559, 166.9807

 6.8517, 5.6997,
10.8447

160.9974,
156.3745, 207.2977

 3.4150, 2.6633,
5.8496

198.5136,
193.8687, 253.6322

 1.3769, 0.9586,
2.6865

241.4471,

 0.2396, 0.0000,

236.9228, 306.4025

0.9366

290.1634,
285.9213, 366.0273

■ 0.0000, 0.0000,
0.0000

■ 41.8904, 38.8491,
57.5153

■ 41.8904, 38.8491,
57.5153

■ 37.1856, 31.8115,
56.4055

■ 47.2121, 47.0001,
58.8087

■ 33.0680, 25.8317,
55.4683

■ 53.1719, 56.3072,
60.2911

■ 29.5104, 20.8562,
54.6954

■ 59.7939, 66.8167,
61.9706

■ 26.4819, 16.8253,
54.0770

■ 67.1002, 78.5708,
63.8543

■ 23.9485, 13.6724,
53.6019

■ 74.4688, 90.3241,
65.7345

■ 21.8715, 11.3221,
53.2578

■ 76.5644, 91.4044,
65.8326

■ 20.2056, 9.6857,
53.0297

■ 78.7465, 92.5293,
65.9347

■ 18.8760, 8.6154,
52.8932

■ 81.0160, 93.6993,
66.0409

■ 18.7361, 8.5078,
52.8798

■ 83.3741, 94.9149,
66.1513

Harmonies

Analogous

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



38.6834, 38.8491, 63.8464



41.8904, 38.8491, 57.5153



43.8251, 38.8491, 47.5418

Triad

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



41.8904, 38.8491, 57.5153



38.7125, 38.8491, 26.2607



30.7832, 38.8491, 47.4547

Complementary

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



41.8904, 38.8491, 57.5153



43.0126, 50.7547, 40.3324

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.



30.7899, 38.8491, 37.4585



41.8904, 38.8491, 57.5153



35.2205, 38.8491, 26.2450

Square

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



41.8904, 38.8491, 57.5153



41.9128, 38.8491, 30.0839



32.3682, 38.8491, 30.0369



32.3493, 38.8491, 57.4429

Rectangle

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



41.8904, 38.8491, 57.5153



44.0600, 38.8491, 40.6795



32.3682, 38.8491, 30.0369



30.6050, 38.8491, 43.9631

Sweetspot

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



41.8916, 38.8508, 57.5162



88.4116, 89.6183, 107.2460



39.1240, 41.0793, 58.0922



18.7747, 18.9504, 22.9182



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.



41.8916, 38.8508, 57.5162



71.9296, 64.4169, 103.2503



44.5755, 40.2982, 54.7584



10.1427, 10.0647, 12.6929



12.1347, 5.5161, 33.9818



0.5966, 0.2756, 1.4716

Inverse Universe

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



42.6108, 39.5123, 44.4123



73.5778, 65.9055, 74.4598



40.7342, 49.5297, 42.5054



10.2161, 10.1350, 11.2284



15.3523, 7.8307, 4.5012



0.6962, 0.3515, 0.3678

Previews

White Background



This preview shows how the XYZ color 41.8904, 38.8491, 57.5153 looks on a white background.

Color Contrast Check

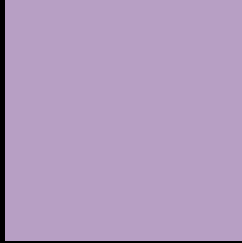
Large Text (above 18pt) WCAG AA × Fail

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 41.8904, 38.8491, 57.5153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

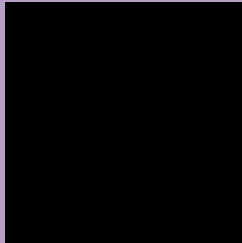
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8904, 38.8491, 57.5153

Background



This preview shows how black text looks on a background with the XYZ color 41.8904, 38.8491, 57.5153.



This preview shows how white text looks on a background with the XYZ color 41.8904, 38.8491,

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

41.8904, 38.8491, 57.5153

Protanopia

38.6760, 38.9631, 60.7405

Deuteranopia

39.7421, 38.7924, 57.0228



Tritanopia

39.6574, 38.9928, 45.9936

Trichromacy



Original Color

41.8904, 38.8491, 57.5153

Protanomaly

39.5544, 38.6427, 59.4069

Deuteranomaly

40.4499, 38.8948, 57.0053

Tritanomaly

40.5236, 39.0833, 50.2078

Monochromacy



Original Color

41.8904, 38.8491, 57.5153

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.4521, 39.6411, 48.2200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8904, 38.8491, 57.5153 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(183, 159, 196)` looks like.

```
.text, #text, p{  
    color:rgb(183, 159, 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(183, 159, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 159, 196) }
```

Border

The CSS property to change the border of an element to XYZ 41.8904, 38.8491, 57.5153 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(183, 159, 196) }
```


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

```
.border{ border-color:rgb(183, 159, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 159, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 159, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 159, 196);  
box-shadow:4px 4px 4px 4px rgb(183, 159,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8904, 38.8491, 57.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 159, 196) }
```

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

```
.background{ background-color: rgb(183,  
159, 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