

Converting Colors

XYZ(38.8912, 28.9010, 52.5077)

Have a look what the booklet for
XYZ(38.8912, 28.9010, 52.5077)
contains.

| | |
|--|----|
| XYZ(38.7757, 28.8864, 52.2471) | 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(38.7757, 28.8864,
52.2471)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C478BE |
| RGB | 196, 120, 190 |
| RGB Percent | 77%, 47%, 75% |
| CMY | 0.2314, 0.5294, 0.2549 |
| CMYK | 0.00, 0.39, 0.03, 0.23 |
| HSL | 305°, 39%, 62% |
| HSV | 305°, 39%, 77% |
| XYZ | 38.7757, 28.8864, 52.2471 |
| YIQ | 150.7040, 22.8260, 37.8820 |

Conversions

Conversions Part 2

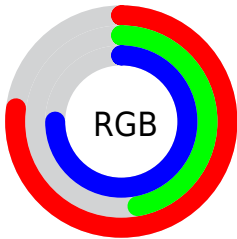
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 196, 120, 190 |
| Decimal | 12875966 |
| CIE Lab | 60.68, 40.31, -24.37 |
| CIE LCh | 61, 47.103, 328.845 |
| Yxy | 28.8864, 0.3234, 0.2409 |
| Android (android.graphics.Color) | 4291066046 (0xFFC478BE) |
| YUV | 150.7040, 19.3729, 39.7246 |
| Hunter-Lab | 53.7461, 34.7252, -20.0142 |

Details

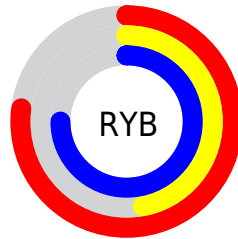
The XYZ color **38.7757, 28.8864, 52.2471** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.2528, 44.9803, 26.7753**, and the grayscale version is **29.2029, 30.7237, 33.4581**.

A 20% lighter version of the original color is **72.6437, 57.9968, 94.5545**, and **17.5566, 11.6965, 24.6249** is the 20% darker color. If you saturate the color by 10%, you get **36.4874, 24.5785, 50.6544**, and if you desaturate by 10%, it is **41.5501, 34.1625, 54.0112**.

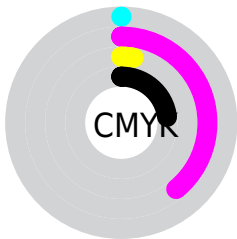
Distribution



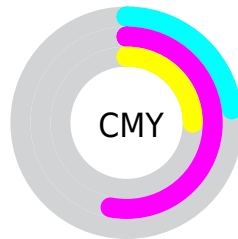
- Red (77%)
- Green (47%)
- Blue (75%)



- Red (77%)
- Yellow (47%)
- Blue (75%)



- Cyan (0%)
- Magenta (39%)
- Yellow (3%)
- Black (23%)



- Cyan (23%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7757, 28.8864, 52.2471 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 38.7757, 28.8864, 52.2471 by changing the saturation by 10% instead.

■ 38.7757, 28.8864,
52.2471

■ 38.7757, 28.8864,
52.2471

332.1595,
296.6786, 412.3739

■ 26.7652, 18.9949,
36.8185

■ 72.5918, 57.8965,
94.9258

■ 17.5326, 11.6666,
24.7723

■ 95.1281, 77.7840,
123.0130

■ 10.7126, 6.5171,
15.6900

■ 121.9038,
101.7722, 156.1569

■ 5.9398, 3.1620,
9.1531

153.2842,
130.2456, 194.7758

■ 2.8488, 1.2169,
4.7430

189.6346,
163.5885, 239.2884

■ 1.0743, 0.0754,
2.0412

231.3203,

■ 0.0035, 0.0000,

202.1854, 290.1133

0.5804

278.7069,
246.4206, 347.6689

■ 0.0000, 0.0000,
0.0000

■ 38.7757, 28.8864,
52.2471

■ 38.7757, 28.8864,
52.2471

■ 36.4874, 24.5785,
50.6544

■ 41.5501, 34.1625,
54.0112

■ 34.6527, 21.1755,
49.2215

■ 44.8350, 40.4572,
55.9541

■ 33.2397, 18.6132,
47.9380

■ 48.6564, 47.8220,
58.0848

■ 32.2111, 16.8166,
46.7914

■ 53.0376, 56.3037,
60.4110

■ 31.5229, 15.6982,
45.7670

■ 58.0009, 65.9466,
62.9402

■ 31.1026, 15.1126,
44.8406

■ 63.5671, 76.7922,
65.6793

■ 31.0571, 15.0527,
44.7296

■ 69.0484, 87.4652,
68.3992

■ 69.2312, 87.5383,
69.3620

■ 69.4159, 87.6122,
70.3344

Harmonies

Analogous

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



33.5169, 28.8864, 71.0439



38.7757, 28.8864, 52.2471



40.9430, 28.8864, 32.1349

Triad

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



38.7757, 28.8864, 52.2471



27.6929, 28.8864, 8.3926



18.4039, 28.8864, 50.6181

Complementary

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



38.7757, 28.8864, 52.2471



31.2528, 44.9803, 26.7753

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.



17.3126, 28.8864, 30.7796



38.7757, 28.8864, 52.2471



22.1731, 28.8864, 10.2396

Square

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



38.7757, 28.8864, 52.2471



33.9872, 28.8864, 10.5636



18.5858, 28.8864, 17.0691



21.8196, 28.8864, 69.8837

Rectangle

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



38.7757, 28.8864, 52.2471



40.1302, 28.8864, 21.7954



18.5858, 28.8864, 17.0691



17.7776, 28.8864, 43.6086

Sweetspot

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



38.7766, 28.8877, 52.2477



85.6667, 81.8519, 103.8652



25.1488, 21.7849, 55.1047



18.1370, 17.1357, 22.1209



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.



38.7766, 28.8877, 52.2477



66.4884, 45.2552, 92.0473



35.2268, 27.4678, 33.5546



10.4619, 10.2334, 12.5228



19.9700, 9.6778, 28.8180



0.8732, 0.4223, 1.2997

Inverse Universe

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



38.7766, 28.8877, 52.2477



66.4884, 45.2552, 92.0473



34.1036, 46.1207, 41.7876



10.4619, 10.2334, 12.5228



19.9700, 9.6778, 28.8180



0.8732, 0.4223, 1.2997

Previews

White Background



This preview shows how the XYZ color 38.7757, 28.8864, 52.2471 looks on a white background.

Color Contrast Check

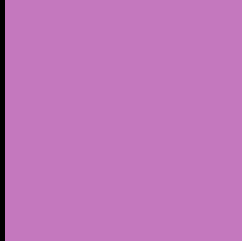
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7757, 28.8864, 52.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

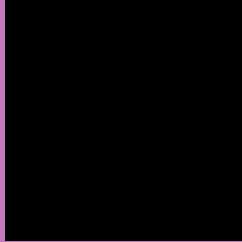
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.7757, 28.8864, 52.2471

Background



This preview shows how black text looks on a background with the XYZ color 38.7757, 28.8864, 52.2471.



This preview shows how white text looks on a background with the XYZ color 38.7757, 28.8864,

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

38.7757, 28.8864, 52.2471

Protanopia

30.3864, 29.3663, 64.3883

Deuteranopia

29.8207, 29.1544, 50.5100



Tritanopia

33.9515, 28.8059, 28.5816

Trichromacy



Original Color

38.7757, 28.8864, 52.2471

Protanomaly

32.4137, 28.5480, 59.6790

Deuteranomaly

32.3316, 28.4929, 50.8093

Tritanomaly

35.3706, 28.5968, 36.0032

Monochromacy



Original Color

38.7757, 28.8864, 52.2471

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.1060, 29.6883, 39.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7757, 28.8864, 52.2471 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(196, 120, 190)` looks like.

```
.text, #text, p{  
    color:rgb(196, 120, 190)  
}
```

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(196, 120, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 120, 190) }
```

Border

The CSS property to change the border of an element to XYZ 38.7757, 28.8864, 52.2471 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(196, 120, 190) }
```


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

```
.border{ border-color:rgb(196, 120, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 120, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 120, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 120, 190);  
box-shadow:4px 4px 4px 4px rgb(196, 120,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7757, 28.8864, 52.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 120, 190) }
```

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

```
.background{ background-color: rgb(196,  
120, 190) }
```

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