

Converting Colors

XYZ(38.8299, 28.1233, 71.2292)

Have a look what the booklet for
XYZ(38.8299, 28.1233, 71.2292)
contains.

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Color

**XYZ(38.9251, 28.1915,
71.1001)**

Conversions

Conversions Part 1

Format	Color
Hex	B776DC
RGB	183, 118, 220
RGB Percent	72%, 46%, 86%
CMY	0.2823, 0.5372, 0.1373
CMYK	0.17, 0.46, 0.00, 0.14
HSL	278°, 59%, 66%
HSV	278°, 46%, 86%
XYZ	38.9251, 28.1915, 71.1001
YIQ	149.0630, 5.9980, 45.5020

Conversions

Conversions Part 2

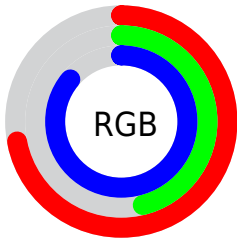
Format	Color
RYB	183, 118, 220
Decimal	12023516
CIELab	60.06, 43.46, -42.37
CIELCh	60, 60.696, 315.723
Yxy	28.1915, 0.2816, 0.2040
Android (android.graphics.Color)	4290213596 (0xFFB776DC)
YUV	149.0630, 34.9719, 29.7627
Hunter-Lab	53.0957, 37.9432, -42.2279

Details

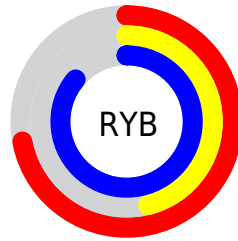
The XYZ color **38.9251, 28.1915, 71.1001** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.3818, 59.4637, 26.3847**, and the grayscale version is **28.4503, 29.9320, 32.5959**.

A 20% lighter version of the original color is **69.0782, 55.4258, 101.6652**, and **17.6101, 11.2838, 36.3718** is the 20% darker color. If you saturate the color by 10%, you get **34.7856, 22.6502, 70.2492**, and if you desaturate by 10%, it is **43.7784, 34.9988, 72.1587**.

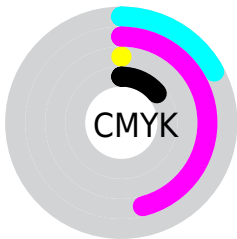
Distribution



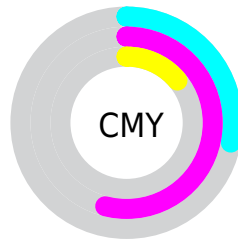
- Red (72%)
- Green (46%)
- Blue (86%)



- Red (72%)
- Yellow (46%)
- Blue (86%)



- Cyan (17%)
- Magenta (46%)
- Yellow (0%)
- Black (14%)





- Cyan (28%)
- Magenta (54%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9251, 28.1915, 71.1001 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 38.9251, 28.1915, 71.1001 by changing the saturation by 10% instead.


 38.9251, 28.1915,
71.1001


 38.9251, 28.1915,
71.1001

332.7846,
293.3808, 483.2964


 26.8819, 18.4701,
51.9416


 72.8187, 56.7900,
122.4720

 17.6207, 11.2880,
36.5766


 95.3998, 76.4359,
155.5225

 10.7760, 6.2609,
24.5866


 122.2243,
100.1588, 194.0407

 5.9826, 3.0044,
15.5531

153.6575,
128.3429, 238.4451

 2.8751, 1.1340,
9.0576

190.0648,
161.3728, 289.1544

 1.0880, 0.0068,
4.6814

231.8115,

 0.0151, 0.0000,

199.6328, 346.5870

2.0061

279.2630,
243.5074, 411.1615

■ 0.0000, 0.0000,
0.5590

■ 0.0000, 0.0000,
0.0000

■ 38.9251, 28.1915,
71.1001

■ 38.9251, 28.1915,
71.1001

■ 34.7856, 22.6502,
70.2492

■ 43.7784, 34.9988,
72.1587

■ 31.3124, 18.2854,
69.5897


■ 49.3827, 43.1465,
73.4360


■ 28.4566, 15.0008,
69.1062


■ 55.7760, 52.7073,
74.9444


■ 26.1601, 12.6831,
68.7799


■ 62.9926, 63.7475,
76.6951


 24.3502, 11.1896,
68.5871


 71.0648, 76.3293,
78.6981

 23.7667, 10.7599,
68.5349

 80.0230, 90.5110,
80.9633

 84.2294, 95.0146,
81.6109

 86.9816, 96.4334,
81.7397

 89.8543, 97.9143,
81.8742

Harmonies

Analogous

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



31.0338, 28.1915, 92.7139



38.9251, 28.1915, 71.1001



43.9599, 28.1915, 42.4515

Triad

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



38.9251, 28.1915, 71.1001



30.6352, 28.1915, 5.1478



14.8712, 28.1915, 43.7549

Complementary

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



38.9251, 28.1915, 71.1001



42.3818, 59.4637, 26.3847

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.



14.8056, 28.1915, 21.3392



38.9251, 28.1915, 71.1001



22.9612, 28.1915, 5.2330

Square

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



38.9251, 28.1915, 71.1001



38.5853, 28.1915, 9.1753



17.4900, 28.1915, 9.5197



17.6906, 28.1915, 72.4405

Rectangle

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



38.9251, 28.1915, 71.1001



44.4982, 28.1915, 26.6385



17.4900, 28.1915, 9.5197



14.5476, 28.1915, 35.1453

Sweetspot

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



38.9261, 28.1927, 71.1007



80.0950, 76.9258, 105.2344



32.1786, 32.5962, 72.3063



16.6950, 15.7846, 22.4168



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.



38.9261, 28.1927, 71.1007



48.5493, 31.5771, 98.1439



47.1837, 32.6493, 62.4634



13.1325, 13.0264, 16.4743



14.0744, 6.3798, 40.2280



1.0050, 0.4613, 2.6105

Inverse Universe

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



41.9110, 30.5402, 34.6975



53.7571, 35.5729, 39.1550



37.2029, 56.6937, 30.6700



13.2503, 13.1292, 14.5792



18.2166, 9.2877, 5.5206



1.2207, 0.6179, 0.5710

Previews

White Background



This preview shows how the XYZ color 38.9251, 28.1915, 71.1001 looks on a white background.

Color Contrast Check

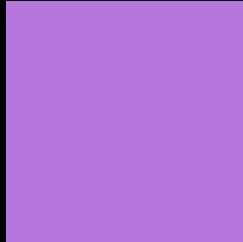
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9251, 28.1915, 71.1001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

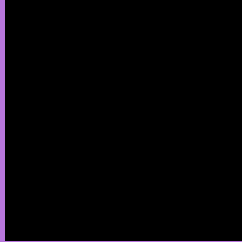
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9251, 28.1915, 71.1001

Background



This preview shows how black text looks on a background with the XYZ color 38.9251, 28.1915, 71.1001.

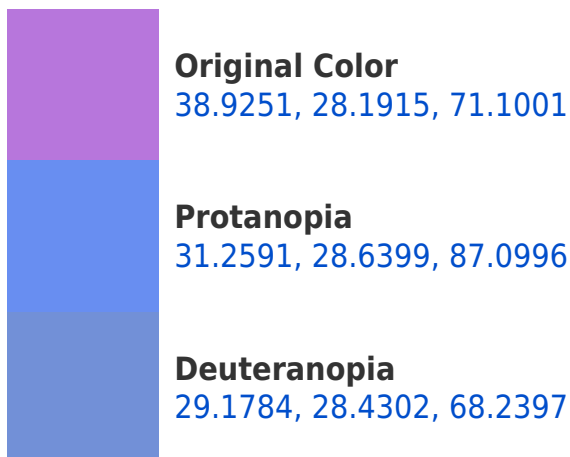


This preview shows how white text looks on a background with the XYZ color 38.9251, 28.1915,

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





Tritanopia

30.6469, 28.0612, 30.9952

Trichromacy



Original Color

38.9251, 28.1915, 71.1001



Protanomaly

32.7684, 27.6448, 80.6997



Deuteranomaly

31.8358, 27.8267, 69.3388



Tritanomaly

33.0723, 27.8316, 43.1641

Monochromacy



Original Color

38.9251, 28.1915, 71.1001



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

31.5243, 28.8492, 44.4644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9251, 28.1915, 71.1001 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, 118, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 118, 220)  
}
```

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, 118, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 118, 220) }
```

Border

The CSS property to change the border of an element to XYZ 38.9251, 28.1915, 71.1001 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, 118, 220) }
```


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

```
.border{ border-color:rgb(183, 118, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 118, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 118, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 118, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 118,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9251, 28.1915, 71.1001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 118, 220) }
```

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

```
.background{ background-color: rgb(183,  
118, 220) }
```

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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