

Converting Colors

XYZ(38.4073, 28.3674, 68.6327)

Have a look what the booklet for
XYZ(38.4073, 28.3674, 68.6327)
contains.

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Color

**XYZ(38.4025, 28.3359,
68.4111)**

Conversions

Conversions Part 1

Format	Color
Hex	B678D8
RGB	182, 120, 216
RGB Percent	71%, 47%, 85%
CMY	0.2863, 0.5294, 0.1529
CMYK	0.16, 0.44, 0.00, 0.15
HSL	279°, 55%, 66%
HSV	279°, 44%, 85%
XYZ	38.4025, 28.3359, 68.4111
YIQ	149.4820, 6.1360, 43.0000

Conversions

Conversions Part 2

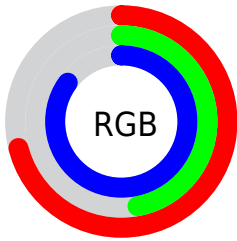
Format	Color
R _Y B	182, 120, 216
Decimal	11958488
CIE Lab	60.19, 41.23, -39.93
CIE LCh	60, 57.398, 315.914
Yxy	28.3359, 0.2841, 0.2097
Android (android.graphics.Color)	4290148568 (0xFFB678D8)
YUV	149.4820, 32.7934, 28.5183
Hunter-Lab	53.2315, 35.6192, -38.9353

Details

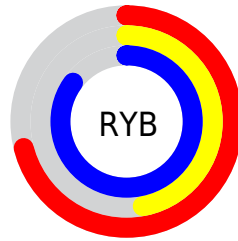
The XYZ color **38.4025, 28.3359, 68.4111** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **41.2734, 57.3385, 26.6626**, and the grayscale version is **28.6352, 30.1265, 32.8078**.

A 20% lighter version of the original color is **68.7827, 55.8428, 101.7612**, and **17.3135, 11.3415, 34.9948** is the 20% darker color. If you saturate the color by 10%, you get **34.3344, 22.8081, 67.5590**, and if you desaturate by 10%, it is **43.1573, 35.0886, 69.4644**.

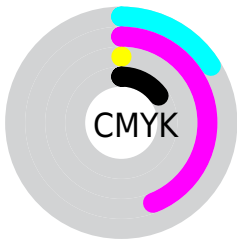
Distribution



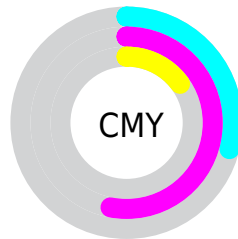
- Red (71%)
- Green (47%)
- Blue (85%)



- Red (71%)
- Yellow (47%)
- Blue (85%)



- Cyan (16%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)





- Cyan (29%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4025, 28.3359, 68.4111 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 38.4025, 28.3359, 68.4111 by changing the saturation by 10% instead.


 38.4025, 28.3359,
68.4111


 38.4025, 28.3359,
68.4111

330.5945,
294.0685, 473.5887


 26.4739, 18.5790,
49.7635


 72.0246, 57.0203,
118.5998

 17.3130, 11.3665,
34.8556


 94.4487, 76.7166,
150.9780

 10.5546, 6.3139,
23.2690


 121.1021,
100.4948, 188.7701

 5.8333, 3.0369,
14.5851

152.3500,
128.7393, 232.3947

 2.7837, 1.1510,
8.3854

188.5579,
161.8345, 282.2704

 1.0404, 0.0211,
4.2512

230.0910,

 0.0000, 0.0000,

200.1649, 338.8155

1.7641

277.3148,
244.1148, 402.4488

■ 0.0000, 0.0000,
0.4041

■ 0.0000, 0.0000,
0.0000

■ 38.4025, 28.3359,
68.4111

■ 38.4025, 28.3359,
68.4111

■ 34.3344, 22.8081,
67.5590

■ 43.1573, 35.0886,
69.4644

■ 30.9083, 18.4213,
66.8928


■ 48.6333, 43.1359,
70.7290


■ 28.0790, 15.0859,
66.3982


■ 54.8663, 52.5462,
72.2169


■ 25.7927, 12.6972,
66.0576


■ 61.8887, 63.3820,
73.9383


 23.9846, 11.1279,
65.8500


 69.7308, 75.7020,
75.9030

 23.1260, 10.4901,
65.7721

 78.4213, 89.5614,
78.1200

 82.5982, 94.2342,
78.8018

 85.1867, 95.5685,
78.9230

 87.8851, 96.9597,
79.0493

Harmonies

Analogous

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



30.9929, 28.3359, 88.3774



38.4025, 28.3359, 68.4111



43.0824, 28.3359, 41.7798

Triad

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



38.4025, 28.3359, 68.4111



30.5176, 28.3359, 5.9022



15.5068, 28.3359, 43.3237

Complementary

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



38.4025, 28.3359, 68.4111



41.2734, 57.3385, 26.6626

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.



15.4263, 28.3359, 22.0196



38.4025, 28.3359, 68.4111



23.2430, 28.3359, 6.0137

Square

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



38.4025, 28.3359, 68.4111



38.0004, 28.3359, 9.9666



18.0092, 28.3359, 10.4023



18.2538, 28.3359, 69.9741

Rectangle

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



38.4025, 28.3359, 68.4111



43.5621, 28.3359, 26.8708



18.0092, 28.3359, 10.4023



15.1865, 28.3359, 35.2104

Sweetspot

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



38.4035, 28.3371, 68.4117



81.1832, 78.4838, 105.4778



31.8961, 32.4615, 69.5508



16.9155, 16.0944, 22.4649



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.



38.4035, 28.3371, 68.4117



50.5181, 33.9017, 98.4888



45.8395, 32.3543, 60.4546



12.5064, 12.4025, 15.6723



13.8093, 6.2714, 38.9358



0.9213, 0.4238, 2.3526

Inverse Universe

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



40.8690, 30.3661, 34.2802



54.9799, 37.4735, 41.2424



36.5224, 54.7935, 30.7704



12.6031, 12.4927, 13.8502



17.5911, 8.9727, 5.1507



1.0998, 0.5567, 0.5147

Previews

White Background



This preview shows how the XYZ color 38.4025, 28.3359, 68.4111 looks on a white background.

Color Contrast Check

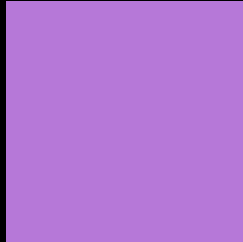
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4025, 28.3359, 68.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

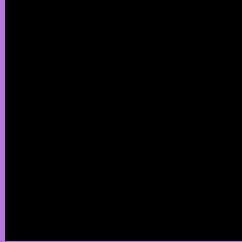
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4025, 28.3359, 68.4111

Background



This preview shows how black text looks on a background with the XYZ color 38.4025, 28.3359, 68.4111.



This preview shows how white text looks on a background with the XYZ color 38.4025, 28.3359,

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

38.4025, 28.3359, 68.4111

Protanopia

30.9751, 28.5954, 82.4842

Deuteranopia

29.2023, 28.5012, 65.5902



Tritanopia

30.7871, 28.3416, 31.0419

Trichromacy



Original Color

38.4025, 28.3359, 68.4111



Protanomaly

32.6820, 27.8859, 77.0588



Deuteranomaly

31.6587, 27.7948, 66.6471



Tritanomaly

33.0125, 28.0195, 42.1964

Monochromacy



Original Color

38.4025, 28.3359, 68.4111



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

31.3292, 28.7712, 43.4373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4025, 28.3359, 68.4111 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(182, 120, 216)` looks like.

```
.text, #text, p{  
    color:rgb(182, 120, 216)  
}
```

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(182, 120, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 120, 216) }
```

Border

The CSS property to change the border of an element to XYZ 38.4025, 28.3359, 68.4111 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(182, 120, 216) }
```


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

```
.border{ border-color:rgb(182, 120, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 120, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 120, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 120, 216);  
box-shadow:4px 4px 4px 4px rgb(182, 120,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4025, 28.3359, 68.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 120, 216) }
```

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

```
.background{ background-color: rgb(182,  
120, 216) }
```

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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