

Converting Colors

XYZ(38.7315, 30.1610, 45.9328)

Have a look what the booklet for
XYZ(38.7315, 30.1610, 45.9328)
contains.

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Color

**XYZ(38.7854, 30.1418,
45.8932)**

Conversions

Conversions Part 1

Format	Color
Hex	C67EB2
RGB	198, 126, 178
RGB Percent	78%, 49%, 70%
CMY	0.2235, 0.5059, 0.3020
CMYK	0.00, 0.36, 0.10, 0.22
HSL	317°, 39%, 64%
HSV	317°, 36%, 78%
XYZ	38.7854, 30.1418, 45.8932
YIQ	153.4560, 26.2200, 31.4360

Conversions

Conversions Part 2

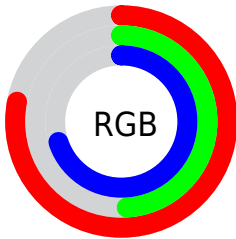
Format	Color
R_{YB}	198, 126, 178
Decimal	13008562
CIE _{Lab}	61.78, 35.62, -15.86
CIE _{LCh}	62, 38.990, 336.002
Yxy	30.1418, 0.3378, 0.2625
Android (android.graphics.Color)	4291198642 (0xFFC67EB2)
YUV	153.4560, 12.1002, 39.0651
Hunter-Lab	54.9015, 30.0243, -11.1305

Details

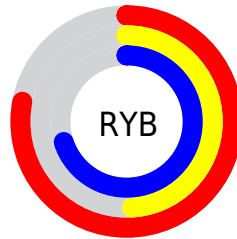
The XYZ color **38.7854, 30.1418, 45.8932** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.9878, 46.9000, 34.4573**, and the grayscale version is **30.4186, 32.0028, 34.8510**.

A 20% lighter version of the original color is **72.4125, 59.8430, 85.5762**, and **17.5454, 12.3525, 20.8616** is the 20% darker color. If you saturate the color by 10%, you get **35.9586, 25.3540, 42.2808**, and if you desaturate by 10%, it is **42.1372, 35.9433, 49.7906**.

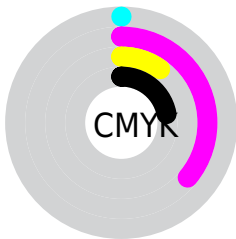
Distribution



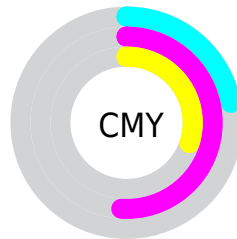
- Red (78%)
- Green (49%)
- Blue (70%)



- Red (78%)
- Yellow (49%)
- Blue (70%)



- Cyan (0%)
- Magenta (36%)
- Yellow (10%)
- Black (22%)





- Cyan (22%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7854, 30.1418, 45.8932 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 38.7854, 30.1418, 45.8932 by changing the saturation by 10% instead.


 38.7854, 30.1418,
45.8932

 38.7854, 30.1418,
45.8932


332.2001,
302.5649, 386.6442


 26.7728, 19.9462,
31.8135


 72.6065, 59.8864,
85.3917

 17.5384, 12.3560,
20.9554

 95.1458, 80.2041,
111.6477

 10.7167, 6.9866,
12.9005


 121.9246,
104.6648, 142.7994

 5.9426, 3.4537,
7.2302

153.3084,
133.6527, 179.2655

 2.8505, 1.3729,
3.5258

189.6625,
167.5523, 221.4645

 1.0752, 0.1967,
1.3690

231.3522,

 0.0042, 0.0000,

206.7479, 269.8149

0.1174

278.7430,
251.6240, 324.7353

■ 0.0000, 0.0000,
0.0000

■ 38.7854, 30.1418,
45.8932

■ 38.7854, 30.1418,
45.8932

■ 35.9586, 25.3540,
42.2808

■ 42.1372, 35.9433,
49.7906

■ 33.6241, 21.5163,
38.9401

■ 46.0389, 42.8091,
53.9814

■ 31.7498, 18.5642,
35.8596


■ 50.5168, 50.7911,
58.4760


■ 30.2983, 16.4236,
33.0254


■ 55.5949, 59.9369,
63.2837


■ 29.2262, 15.0081,
30.4218


■ 61.2957, 70.2912,
68.4130


 28.4778, 14.2066,
28.0287

 67.6406, 81.8962,
73.8723

 28.2466, 13.9890,
27.1970

 71.5087, 88.5098,
78.6225

 72.2342, 88.8000,
82.4426

 72.9837, 89.0998,
86.3894

Harmonies

Analogous

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



34.9355, 30.1418, 61.8536



38.7854, 30.1418, 45.8932



39.7842, 30.1418, 29.9159

Triad

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



38.7854, 30.1418, 45.8932



27.6163, 30.1418, 11.7879



21.2992, 30.1418, 52.6870

Complementary

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



38.7854, 30.1418, 45.8932



33.9878, 46.9000, 34.4573

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.



19.8133, 30.1418, 35.9048



38.7854, 30.1418, 45.8932



23.1656, 30.1418, 14.6803

Square

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



38.7854, 30.1418, 45.8932



32.9095, 30.1418, 12.9981



20.4529, 30.1418, 22.4990



24.7728, 30.1418, 66.5344

Rectangle

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



38.7854, 30.1418, 45.8932



38.6048, 30.1418, 21.8006



20.4529, 30.1418, 22.4990



20.5712, 30.1418, 47.0376

Sweetspot

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



38.7863, 30.1432, 45.8938



85.5160, 82.8991, 99.6579



29.3676, 25.0384, 56.7116



18.0719, 17.3305, 21.0973



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.



38.7863, 30.1432, 45.8938



64.4642, 46.2176, 75.9246



35.6934, 28.9060, 29.6069



10.9526, 10.7644, 12.7335



18.4072, 9.1124, 17.8859



0.9012, 0.4433, 1.0027

Inverse Universe

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



38.7863, 30.1432, 45.8938



64.4642, 46.2176, 75.9246



37.1603, 48.1690, 51.1636



10.9526, 10.7644, 12.7335



18.4072, 9.1124, 17.8859



0.9012, 0.4433, 1.0027

Previews

White Background



This preview shows how the XYZ color 38.7854, 30.1418, 45.8932 looks on a white background.

Color Contrast Check

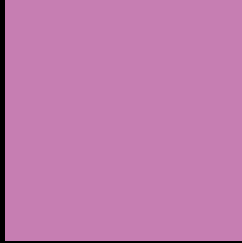
Large Text (above 18pt) WCAG AA × Fail

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 38.7854, 30.1418, 45.8932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

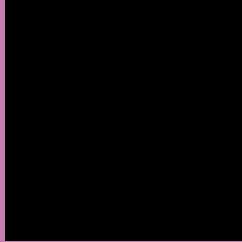
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7854, 30.1418, 45.8932

Background



This preview shows how black text looks on a background with the XYZ color 38.7854, 30.1418, 45.8932.



This preview shows how white text looks on a background with the XYZ color 38.7854, 30.1418,

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

38.7854, 30.1418, 45.8932

Protanopia

30.6968, 30.4333, 54.7084

Deuteranopia

30.8678, 30.2892, 44.2639



Tritanopia

35.5936, 30.2276, 29.9451

Trichromacy



Original Color

38.7854, 30.1418, 45.8932

Protanomaly

32.9524, 29.8606, 51.6038

Deuteranomaly

33.3327, 29.9954, 44.5903

Tritanomaly

36.4891, 29.9677, 35.3136

Monochromacy



Original Color

38.7854, 30.1418, 45.8932

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.7062, 30.6886, 38.3821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7854, 30.1418, 45.8932 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(198, 126, 178)` looks like.

```
.text, #text, p{  
    color:rgb(198, 126, 178)  
}
```

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(198, 126, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 126, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.7854, 30.1418, 45.8932 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(198, 126, 178) }
```


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

```
.border{ border-color:rgb(198, 126, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 126, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 126, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 126, 178);  
box-shadow:4px 4px 4px 4px rgb(198, 126,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7854, 30.1418, 45.8932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 126, 178) }
```

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

```
.background{ background-color: rgb(198,  
126, 178) }
```

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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