

Converting Colors

XYZ(38.2207, 30.3014, 52.2801)

Have a look what the booklet for
XYZ(38.2207, 30.3014, 52.2801)
contains.

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Color

**XYZ(38.3797, 30.3654,
52.5535)**

Conversions

Conversions Part 1

Format	Color
Hex	BE81BE
RGB	190, 129, 190
RGB Percent	75%, 51%, 75%
CMY	0.2549, 0.4941, 0.2549
CMYK	0.00, 0.32, 0.00, 0.25
HSL	300°, 32%, 63%
HSV	300°, 32%, 75%
XYZ	38.3797, 30.3654, 52.5535
YIQ	154.1930, 16.7750, 31.9030

Conversions

Conversions Part 2

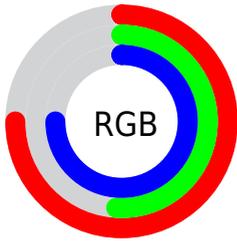
Format	Color
R_{YB}	190, 129, 190
Decimal	12485054
CIE _{Lab}	61.97, 33.50, -22.46
CIE _{LCh}	62, 40.326, 326.162
Yxy	30.3654, 0.3164, 0.2503
Android (android.graphics.Color)	4290675134 (0xFFBE81BE)
YUV	154.1930, 17.6529, 31.4027
Hunter-Lab	55.1048, 27.8892, -17.9716

Details

The XYZ color **38.3797, 30.3654, 52.5535** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.4304, 43.0799, 27.4292**, and the grayscale version is **30.7205, 32.3204, 35.1969**.

A 20% lighter version of the original color is **71.9258, 60.2950, 95.0360**, and **17.3217, 12.4606, 24.7847** is the 20% darker color. If you saturate the color by 10%, you get **36.1062, 25.8178, 51.7960**, and if you desaturate by 10%, it is **41.1205, 35.8463, 53.4674**.

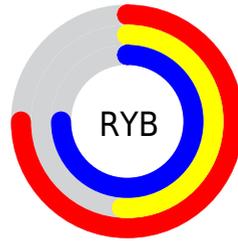
Distribution



Red (75%)

Green (51%)

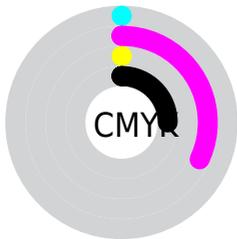
Blue (75%)



Red (75%)

Yellow (51%)

Blue (75%)

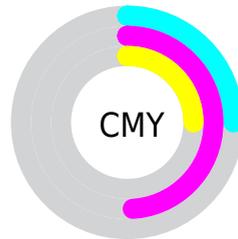


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (25%)



Cyan (25%)

Magenta (49%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3797, 30.3654, 52.5535 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 38.3797, 30.3654, 52.5535 by changing the saturation by 10% instead.

 38.3797, 30.3654,
52.5535

 38.3797, 30.3654,
52.5535

330.4987,
303.6040, 413.5873

 26.4561, 20.1161,
37.0612

 71.9899, 60.2396,
95.3819

 17.2996, 12.4795,
24.9587

 94.4072, 80.6332,
123.5551

 10.5450, 7.0711,
15.8275

 121.0531,
105.1771, 156.7922

 5.8268, 3.5066,
9.2492

152.2929,
134.2556, 195.5120

 2.7797, 1.4016,
4.8050

188.4920,
168.2532, 240.1328

 1.0384, 0.2179,
2.0766

230.0158,

 0.0000, 0.0000,

207.5542, 291.0733

0.6018

277.2296,
252.5430, 348.7519

■ 0.0000, 0.0000,
0.0000

■ 38.3797, 30.3654,
52.5535

■ 38.3797, 30.3654,
52.5535

■ 36.1062, 25.8178,
51.7960

■ 41.1205, 35.8463,
53.4674

■ 34.2713, 22.1479,
51.1843

■ 44.3494, 42.3042,
54.5438

■ 32.8474, 19.3003,
50.7096

■ 48.0898, 49.7849,
55.7906

■ 31.8031, 17.2116,
50.3615

■ 52.3624, 58.3301,
57.2149

■ 31.1019, 15.8093,
50.1277

■ 57.1869, 67.9791,
58.8231

 30.7006, 15.0068,
49.9939

 62.5820, 78.7693,
60.6215

 30.5298, 14.6650,
49.9369

 66.2899, 86.1850,
61.8575

 66.2899, 86.1850,
61.8575

 66.2899, 86.1850,
61.8575

Harmonies

Analogous

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



33.6888, 30.3654, 67.6052



38.3797, 30.3654, 52.5535



40.5182, 30.3654, 35.0948

Triad

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



38.3797, 30.3654, 52.5535



29.5625, 30.3654, 11.3742



20.5046, 30.3654, 47.9935

Complementary

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



38.3797, 30.3654, 52.5535



31.4304, 43.0799, 27.4292

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.



19.6868, 30.3654, 31.1107



38.3797, 30.3654, 52.5535



24.5187, 30.3654, 12.9017

Square

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



38.3797, 30.3654, 52.5535



35.0420, 30.3654, 13.9948



21.0633, 30.3654, 19.1075



23.4540, 30.3654, 64.4470

Rectangle

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



38.3797, 30.3654, 52.5535



40.0345, 30.3654, 25.4529



21.0633, 30.3654, 19.1075



19.9884, 30.3654, 42.0558

Sweetspot

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



38.3807, 30.3667, 52.5541



81.6088, 79.1447, 99.2543



26.1992, 24.0869, 51.9842



17.7198, 16.9780, 21.7284



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



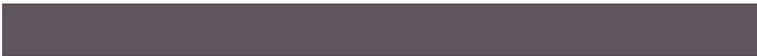
38.3807, 30.3667, 52.5541



66.3717, 48.6706, 94.1750



35.3881, 29.1697, 36.7953



9.9300, 9.6963, 12.0204



20.3004, 9.7513, 33.2049



0.7952, 0.3820, 1.3007

Inverse Universe

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



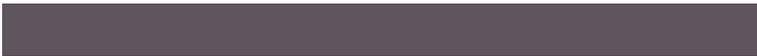
38.3807, 30.3667, 52.5541



66.3717, 48.6706, 94.1750



33.7694, 44.0155, 39.7461



9.9300, 9.6963, 12.0204



20.3004, 9.7513, 33.2049



0.7952, 0.3820, 1.3007

Previews

White Background



This preview shows how the XYZ color 38.3797, 30.3654, 52.5535 looks on a white background.

Color Contrast Check

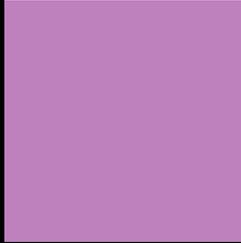
Large Text (above 18pt) WCAG AA × Fail

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 38.3797, 30.3654, 52.5535 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 38.3797, 30.3654, 52.5535

Background



This preview shows how black text looks on a background with the XYZ color 38.3797, 30.3654, 52.5535.



This preview shows how white text looks on a background with the XYZ color 38.3797, 30.3654,

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

38.3797, 30.3654, 52.5535

Protanopia

31.3205, 30.6078, 61.3839

Deuteranopia

31.2574, 30.5663, 51.2661



Tritanopia

34.0581, 30.2198, 32.0549

Trichromacy



Original Color

38.3797, 30.3654, 52.5535

Protanomaly

33.1601, 30.0433, 58.0840

Deuteranomaly

33.3555, 30.0684, 51.6227

Tritanomaly

35.3857, 30.1336, 38.6017

Monochromacy



Original Color

38.3797, 30.3654, 52.5535

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.0368, 31.2563, 40.8511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3797, 30.3654, 52.5535 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(190, 129, 190)` looks like.

```
.text, #text, p{  
    color:rgb(190, 129, 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(190, 129, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 129, 190) }
```

Border

The CSS property to change the border of an element to XYZ 38.3797, 30.3654, 52.5535 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(190, 129, 190) }
```

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

```
.border{ border-color:rgb(190, 129, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 129, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 129, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 129, 190);  
box-shadow:4px 4px 4px 4px rgb(190, 129,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3797, 30.3654, 52.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 129, 190) }
```

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

```
.background{ background-color: rgb(190,  
129, 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](#).

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