

Converting Colors

XYZ(38.6513, 33.7458, 51.7897)

Have a look what the booklet for
XYZ(38.6513, 33.7458, 51.7897)
contains.

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Color

**XYZ(38.5788, 33.6446,
52.0377)**

Conversions

Conversions Part 1

Format	Color
Hex	B790BC
RGB	183, 144, 188
RGB Percent	72%, 56%, 74%
CMY	0.2823, 0.4353, 0.2627
CMYK	0.03, 0.23, 0.00, 0.26
HSL	293°, 25%, 65%
HSV	293°, 23%, 74%
XYZ	38.5788, 33.6446, 52.0377
YIQ	160.6770, 9.1200, 21.9520

Conversions

Conversions Part 2

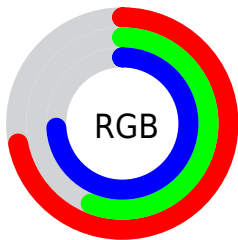
Format	Color
RYB	183, 144, 188
Decimal	12030140
CIELab	64.68, 22.45, -17.27
CIElCh	65, 28.319, 322.433
Yxy	33.6446, 0.3105, 0.2708
Android (android.graphics.Color)	4290220220 (0xFFB790BC)
YUV	160.6770, 13.4702, 19.5773
Hunter-Lab	58.0040, 17.2145, -12.5887

Details

The XYZ color **38.5788, 33.6446, 52.0377** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.4128, 44.3705, 33.0850**, and the grayscale version is **33.6639, 35.4170, 38.5691**.

A 20% lighter version of the original color is **72.1198, 65.2705, 94.3853**, and **17.4934, 14.3238, 24.7644** is the 20% darker color. If you saturate the color by 10%, you get **35.4611, 28.1572, 51.1434**, and if you desaturate by 10%, it is **42.1805, 40.0872, 53.0919**.

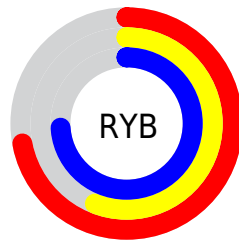
Distribution



Red (72%)

Green (56%)

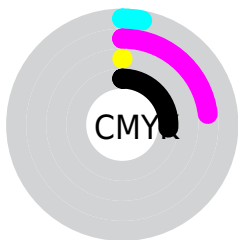
Blue (74%)



Red (72%)

Yellow (56%)

Blue (74%)

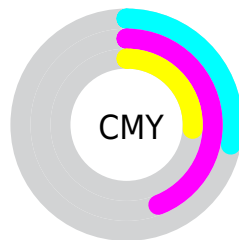


Cyan (3%)

Magenta (23%)

Yellow (0%)

Black (26%)



Cyan (28%)


Magenta (44%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5788, 33.6446, 52.0377 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 38.5788, 33.6446, 52.0377 by changing the saturation by 10% instead.


 38.5788, 33.6446,
52.0377


 38.5788, 33.6446,
52.0377


331.3345,
318.5444, 411.5432

 26.6115, 22.6207,
36.6527


 72.2926, 65.3806,
94.6140

 17.4167, 14.3137,
24.6450

 94.7698, 86.8615,
122.6423

 10.6292, 8.3392,
15.5962


121.4810,
112.5969, 155.7222

 5.8835, 4.3127,
9.0876

152.7916,
142.9711, 194.2721

 2.8144, 1.8500,
4.7008

189.0668,
178.3686, 238.7106

 1.0564, 0.5180,
2.0171

230.6722,

 0.0000, 0.0000,

219.1737, 289.4563

0.5658

277.9729,
265.7708, 346.9277

■ 0.0000, 0.0000,
0.0000

■ 38.5788, 33.6446,
52.0377

■ 38.5788, 33.6446,
52.0377

■ 35.4611, 28.1572,
51.1434

■ 42.1805, 40.0872,
53.0919

■ 32.8007, 23.5738,
50.3989

■ 46.2848, 47.5243,
54.3111

■ 30.5733, 19.8448,
49.7965

■ 50.9134, 55.9983,
55.7028

■ 28.7507, 16.9142,
49.3269

■ 56.0857, 65.5480,
57.2735

■ 27.3015, 14.7193,
48.9796

■ 61.8199, 76.2099,
59.0292

■ 26.1898, 13.1880,
48.7427

■ 67.5551, 86.8624,
60.7831

■ 25.3722, 12.2337,
48.6016

■ 68.1142, 87.1506,
60.8092

■ 24.9372, 11.8070,
48.5421

■ 68.6811, 87.4429,
60.8358

■ 69.2561, 87.7393,
60.8627

Harmonies

Analogous

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



35.0529, 33.6446, 61.4498



38.5788, 33.6446, 52.0377



40.3644, 33.6446, 39.6594

Triad

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



38.5788, 33.6446, 52.0377



33.0181, 33.6446, 18.6291



25.2870, 33.6446, 45.8515

Complementary

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



38.5788, 33.6446, 52.0377



35.4128, 44.3705, 33.0850

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.



24.8423, 33.6446, 33.7651



38.5788, 33.6446, 52.0377



29.0887, 33.6446, 19.6000

Square

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



38.5788, 33.6446, 52.0377



36.9817, 33.6446, 21.6067



26.1770, 33.6446, 24.6152



27.4476, 33.6446, 57.3833

Rectangle

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



38.5788, 33.6446, 52.0377



40.2301, 33.6446, 32.0244



26.1770, 33.6446, 24.6152



24.9397, 33.6446, 41.6644

Sweetspot

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



38.5798, 33.6461, 52.0384



81.0133, 80.9110, 97.5737



31.3486, 31.0988, 51.9279



17.3247, 17.2238, 20.9540



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



38.5798, 33.6461, 52.0384



66.9553, 55.7380, 93.4558



38.0767, 33.5846, 43.0714



9.8203, 9.6398, 12.0153



17.0181, 8.0592, 33.0515



0.6973, 0.3315, 1.2961

Inverse Universe

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



36.1382, 32.8092, 32.8633



61.8185, 53.9903, 52.5350



35.9072, 44.4651, 40.3480



9.5731, 9.5535, 10.1408



14.2291, 7.3228, 1.2343



0.5722, 0.2928, 0.1262

Previews

White Background



This preview shows how the XYZ color 38.5788, 33.6446, 52.0377 looks on a white background.

Color Contrast Check

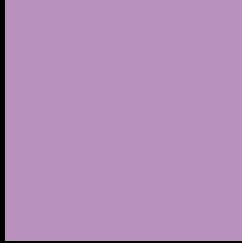
Large Text (above 18pt) WCAG AA × Fail

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 38.5788, 33.6446, 52.0377 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 38.5788, 33.6446, 52.0377

Background



This preview shows how black text looks on a background with the XYZ color 38.5788, 33.6446, 52.0377.



This preview shows how white text looks on a background with the XYZ color 38.5788, 33.6446,

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

38.5788, 33.6446, 52.0377

Protanopia

33.8849, 33.9655, 56.9946

Deuteranopia

34.3547, 33.5967, 51.1285



Tritanopia

35.7709, 33.6518, 38.3283

Trichromacy



Original Color

38.5788, 33.6446, 52.0377

Protanomaly

35.3511, 33.7803, 55.1091

Deuteranomaly

35.8123, 33.6160, 51.6147

Tritanomaly

36.6068, 33.5110, 43.0670

Monochromacy



Original Color

38.5788, 33.6446, 52.0377

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.4342, 34.8180, 43.3810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5788, 33.6446, 52.0377 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, 144, 188)` looks like.

```
.text, #text, p{  
    color:rgb(183, 144, 188)  
}
```

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, 144, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 144, 188) }
```

Border

The CSS property to change the border of an element to XYZ 38.5788, 33.6446, 52.0377 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, 144, 188) }
```


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

```
.border{ border-color:rgb(183, 144, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 144, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 144, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 144, 188);  
box-shadow:4px 4px 4px 4px rgb(183, 144,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5788, 33.6446, 52.0377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 144, 188) }
```

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

```
.background{ background-color: rgb(183,  
144, 188) }
```

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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