

Converting Colors

XYZ(38.9304, 36.6320, 48.1577)

Have a look what the booklet for
XYZ(38.9304, 36.6320, 48.1577)
contains.

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Color

**XYZ(38.7820, 36.4413,
48.1699)**

Conversions

Conversions Part 1

Format	Color
Hex	B49BB4
RGB	180, 155, 180
RGB Percent	71%, 61%, 71%
CMY	0.2941, 0.3921, 0.2941
CMYK	0.00, 0.14, 0.00, 0.29
HSL	300°, 14%, 66%
HSV	300°, 14%, 71%
XYZ	38.7820, 36.4413, 48.1699
YIQ	165.3250, 6.8750, 13.0750

Conversions

Conversions Part 2

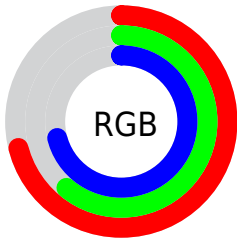
Format	Color
R_{YB}	180, 155, 180
Decimal	11836340
CIE _{Lab}	66.86, 13.72, -9.54
CIE _{LCh}	67, 16.707, 325.180
Yxy	36.4413, 0.3143, 0.2953
Android (android.graphics.Color)	4290026420 (0xFFB49BB4)
YUV	165.3250, 7.2348, 12.8700
Hunter-Lab	60.3666, 9.0341, -5.0542

Details

The XYZ color **38.7820, 36.4413, 48.1699** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.7567, 41.9788, 37.2304**, and the grayscale version is **35.8851, 37.7540, 41.1141**.

A 20% lighter version of the original color is **72.7790, 69.9822, 89.0289**, and **17.5335, 15.9450, 22.2322** is the 20% darker color. If you saturate the color by 10%, you get **36.0073, 30.8913, 47.2453**, and if you desaturate by 10%, it is **42.0055, 42.8876, 49.2449**.

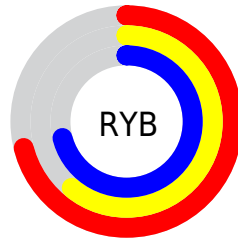
Distribution



Red (71%)

Green (61%)

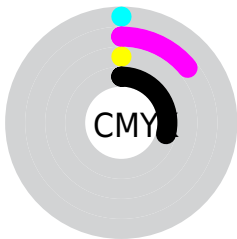
Blue (71%)



Red (71%)

Yellow (61%)

Blue (71%)

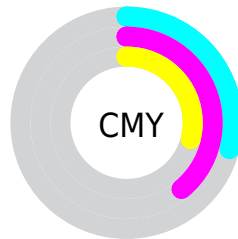


Cyan (0%)

Magenta (14%)

Yellow (0%)

Black (29%)



Cyan (29%)

Magenta (39%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7820, 36.4413, 48.1699 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 38.7820, 36.4413, 48.1699 by changing the saturation by 10% instead.

■ 38.7820, 36.4413,
48.1699

■ 38.7820, 36.4413,
48.1699

332.1859,
330.8853, 395.9933

■ 26.7701, 24.7752,
33.6005

■ 72.6014, 69.7127,
88.8255

■ 17.5364, 15.9097,
22.3120

■ 95.1396, 92.0867,
115.7488

■ 10.7153, 9.4602,
13.8858

121.9173,
118.7989, 147.6271

■ 5.9416, 5.0426,
7.9035

153.2999,
150.2336, 184.8790

■ 2.8499, 2.2723,
3.9463

189.6527,
186.7752, 227.9230

■ 1.0749, 0.7590,
1.5960

231.3411,

■ 0.0040, 0.0000,

228.8081, 277.1777

0.2879

278.7303,
276.7166, 333.0616

■ 0.0000, 0.0000,
0.0000

■ 38.7820, 36.4413,
48.1699

■ 38.7820, 36.4413,
48.1699

■ 36.0073, 30.8913,
47.2453

■ 42.0055, 42.8876,
49.2449

■ 33.6583, 26.1934,
46.4622

■ 45.6929, 50.2624,
50.4741

■ 31.7150, 22.3069,
45.8144

■ 49.8627, 58.6020,
51.8642

■ 30.1545, 19.1858,
45.2941

■ 54.5315, 67.9396,
53.4206

■ 28.9514, 16.7798,
44.8930

■ 59.7150, 78.3066,
55.1485

■ 28.0776, 15.0320,
44.6016

■ 62.8212, 84.5188,
56.1840

■ 27.5003, 13.8776,
44.4091

■ 62.8212, 84.5188,
56.1841

■ 27.1806, 13.2381,
44.3024

■ 62.8212, 84.5189,
56.1842

■ 27.0609, 12.9987,
44.2624

■ 62.8212, 84.5189,
56.1843

Harmonies

Analogous

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



36.7458, 36.4413, 53.6568



38.7820, 36.4413, 48.1699



39.7092, 36.4413, 40.8597

Triad

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



38.7820, 36.4413, 48.1699



35.0464, 36.4413, 27.3605



30.4211, 36.4413, 45.9007

Complementary

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



38.7820, 36.4413, 48.1699



35.7567, 41.9788, 37.2304

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.



30.0151, 36.4413, 38.5200



38.7820, 36.4413, 48.1699



32.6092, 36.4413, 28.3666

Square

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



38.7820, 36.4413, 48.1699



37.4867, 36.4413, 29.3122



30.7972, 36.4413, 32.2485



31.9343, 36.4413, 52.2390

Rectangle

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



38.7820, 36.4413, 48.1699



39.5425, 36.4413, 36.1437



30.7972, 36.4413, 32.2485



30.1538, 36.4413, 43.4363

Sweetspot

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



38.7831, 36.4429, 48.1707



76.0503, 77.5365, 89.2523



33.4788, 33.7084, 47.9226



16.3371, 16.5582, 19.2572



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



38.7831, 36.4429, 48.1707



68.5186, 62.4731, 86.7415



37.5664, 35.9562, 41.7637



8.8501, 8.6467, 10.7088



18.8865, 9.0722, 30.8919



0.5943, 0.2854, 0.9720

Inverse Universe

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



38.7831, 36.4429, 48.1707



68.5186, 62.4731, 86.7415



36.8615, 42.4207, 43.0486



8.8501, 8.6467, 10.7088



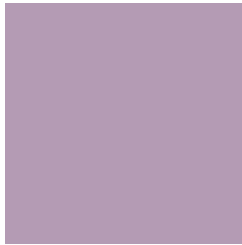
18.8865, 9.0722, 30.8919



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 38.7820, 36.4413, 48.1699 looks on a white background.

Color Contrast Check

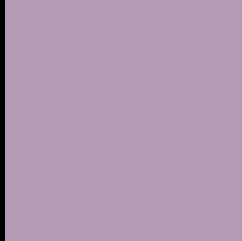
Large Text (above 18pt) WCAG AA × Fail

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 38.7820, 36.4413, 48.1699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

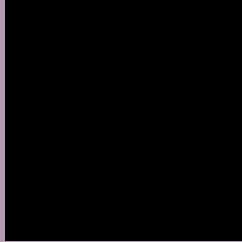
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7820, 36.4413, 48.1699

Background



This preview shows how black text looks on a background with the XYZ color 38.7820, 36.4413, 48.1699.



This preview shows how white text looks on a background with the XYZ color 38.7820, 36.4413,

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

38.7820, 36.4413, 48.1699

Protanopia

35.8701, 36.6723, 50.5353

Deuteranopia

37.1581, 36.3663, 47.7088



Tritanopia

37.5785, 36.4435, 42.5898

Trichromacy



Original Color

38.7820, 36.4413, 48.1699

Protanomaly

36.8817, 36.4307, 49.8877

Deuteranomaly

37.6492, 36.3673, 47.6831

Tritanomaly

38.0217, 36.3778, 44.5528

Monochromacy



Original Color

38.7820, 36.4413, 48.1699

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.5781, 36.9381, 43.2321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7820, 36.4413, 48.1699 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(180, 155, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 155, 180)  
}
```

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(180, 155, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 155, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.7820, 36.4413, 48.1699 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(180, 155, 180) }
```


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

```
.border{ border-color:rgb(180, 155, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 155, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 155, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 155, 180);  
box-shadow:4px 4px 4px 4px rgb(180, 155,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7820, 36.4413, 48.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 155, 180) }
```

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

```
.background{ background-color: rgb(180,  
155, 180) }
```

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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