

Converting Colors

XYZ(37.6606, 33.3489, 49.8641)

Have a look what the booklet for
XYZ(37.6606, 33.3489, 49.8641)
contains.

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Color

**XYZ(37.5995, 33.4148,
49.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	B491B8
RGB	180, 145, 184
RGB Percent	71%, 57%, 72%
CMY	0.2941, 0.4314, 0.2784
CMYK	0.02, 0.21, 0.00, 0.28
HSL	294°, 22%, 65%
HSV	294°, 21%, 72%
XYZ	37.5995, 33.4148, 49.8154
YIQ	159.9110, 8.3410, 19.5490

Conversions

Conversions Part 2

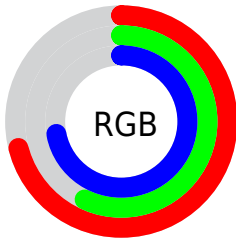
Format	Color
R _Y B	180, 145, 184
Decimal	11833784
CIE Lab	64.50, 20.08, -15.32
CIE LCh	64, 25.261, 322.651
Yxy	33.4148, 0.3112, 0.2765
Android (android.graphics.Color)	4290023864 (0xFFB491B8)
YUV	159.9110, 11.8759, 17.6181
Hunter-Lab	57.8055, 14.9453, -10.6308

Details

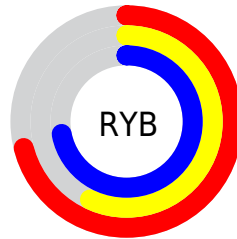
The XYZ color **37.5995, 33.4148, 49.8154** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.6470, 42.7158, 33.2086**, and the grayscale version is **33.3178, 35.0529, 38.1727**.

A 20% lighter version of the original color is **70.7437, 64.9710, 91.2501**, and **16.8518, 14.1561, 23.3169** is the 20% darker color. If you saturate the color by 10%, you get **34.5764, 28.0159, 48.9331**, and if you desaturate by 10%, it is **41.0860, 39.7304, 50.8512**.

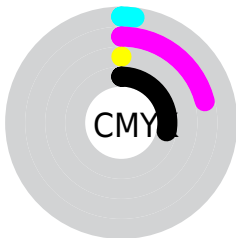
Distribution



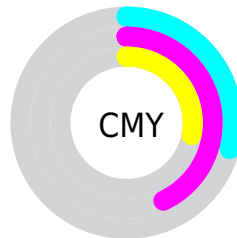
- Red (71%)
- Green (57%)
- Blue (72%)



- Red (71%)
- Yellow (57%)
- Blue (72%)



- Cyan (2%)
- Magenta (21%)
- Yellow (0%)
- Black (28%)



- Cyan (29%)
- Magenta (43%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5995, 33.4148, 49.8154 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 37.5995, 33.4148, 49.8154 by changing the saturation by 10% instead.

■ 37.5995, 33.4148,
49.8154

■ 37.5995, 33.4148,
49.8154

327.2094,
317.5147, 402.6580

■ 25.8478, 22.4444,
34.8966

■ 70.8017, 65.0226,
91.2948

■ 16.8419, 14.1838,
23.3003

■ 92.9830, 86.4288,
118.6925

■ 10.2164, 8.2486,
14.6080

119.3714,
112.0823, 151.0868

■ 5.6061, 4.2544,
8.4012

150.3324,
142.3677, 188.8964

■ 2.6454, 1.8169,
4.2613

186.2314,
177.6692, 232.5398

■ 0.9692, 0.4977,
1.7698

227.4337,

■ 0.0000, 0.0000,

218.3713, 282.4355

0.4079

274.3045,
264.8583, 339.0020

■ 0.0000, 0.0000,
0.0000

■ 37.5995, 33.4148,
49.8154

■ 37.5995, 33.4148,
49.8154

■ 34.5764, 28.0159,
48.9331

■ 41.0860, 39.7304,
50.8512

■ 31.9917, 23.4855,
48.1949

■ 45.0532, 46.9992,
52.0451

■ 29.8228, 19.7777,
47.5936

■ 49.5214, 55.2610,
53.4043

■ 28.0435, 16.8407,
47.1204

■ 54.5087, 64.5520,
54.9348

■ 26.6251, 14.6164,
46.7659

■ 60.0323, 74.9066,
56.6423

■ 25.5344, 13.0390,
46.5189

■ 65.9794, 86.0992,
58.4892

■ 24.7323, 12.0301,
46.3664

■ 66.4582, 86.3460,
58.5116

■ 24.1956, 11.4739,
46.2873

■ 66.9431, 86.5960,
58.5343

■ 67.4342, 86.8492,
58.5573

Harmonies

Analogous

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



34.5068, 33.4148, 57.9694



37.5995, 33.4148, 49.8154



39.1483, 33.4148, 38.9840

Triad

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



37.5995, 33.4148, 49.8154



32.6554, 33.4148, 20.0225



25.7785, 33.4148, 44.5826

Complementary

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



37.5995, 33.4148, 49.8154



34.6470, 42.7158, 33.2086

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.



25.3648, 33.4148, 33.9004



37.5995, 33.4148, 49.8154



29.1625, 33.4148, 20.9561

Square

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



37.5995, 33.4148, 49.8154



36.1568, 33.4148, 22.7650



26.5583, 33.4148, 25.6124



27.7345, 33.4148, 54.5712

Rectangle

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



37.5995, 33.4148, 49.8154



39.0204, 33.4148, 32.2033



26.5583, 33.4148, 25.6124



25.4608, 33.4148, 40.9096

Sweetspot

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



37.6005, 33.4162, 49.8161



78.0304, 78.5121, 93.2463



31.1649, 31.1514, 49.7182



16.7222, 16.7433, 20.0720



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.6005, 33.4162, 49.8161



65.7448, 56.2422, 89.5953



37.0598, 33.3091, 42.0378



9.2877, 9.1147, 11.3492



16.7099, 7.9255, 31.9021



0.6154, 0.2930, 1.1259

Inverse Universe

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



35.3186, 32.6126, 32.8688



60.9638, 54.5664, 53.7297



35.1595, 42.8379, 39.6516



9.0410, 9.0268, 9.5636



13.7166, 7.0604, 1.1283



0.4960, 0.2539, 0.1055

Previews

White Background



This preview shows how the XYZ color 37.5995, 33.4148, 49.8154 looks on a white background.

Color Contrast Check

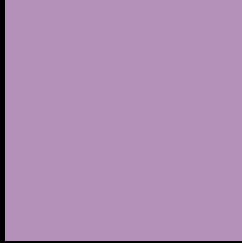
Large Text (above 18pt) WCAG AA × Fail

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 37.5995, 33.4148, 49.8154 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 37.5995, 33.4148, 49.8154

Background



This preview shows how black text looks on a background with the XYZ color 37.5995, 33.4148, 49.8154.



This preview shows how white text looks on a background with the XYZ color 37.5995, 33.4148,

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

37.5995, 33.4148, 49.8154

Protanopia

33.5197, 33.5938, 54.0078

Deuteranopia

34.1328, 33.5308, 48.9291



Tritanopia

35.3119, 33.4152, 38.3069

Trichromacy



Original Color

37.5995, 33.4148, 49.8154

Protanomaly

34.6409, 33.2376, 52.1667

Deuteranomaly

35.3899, 33.4471, 49.3904

Tritanomaly

36.1114, 33.5094, 42.1008

Monochromacy



Original Color

37.5995, 33.4148, 49.8154

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.8191, 34.5228, 42.3645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5995, 33.4148, 49.8154 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, 145, 184)` looks like.

```
.text, #text, p{  
    color:rgb(180, 145, 184)  
}
```

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, 145, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 145, 184) }
```

Border

The CSS property to change the border of an element to XYZ 37.5995, 33.4148, 49.8154 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, 145, 184) }
```


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

```
.border{ border-color:rgb(180, 145, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 145, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 145, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 145, 184);  
box-shadow:4px 4px 4px 4px rgb(180, 145,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5995, 33.4148, 49.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 145, 184) }
```

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

```
.background{ background-color: rgb(180,  
145, 184) }
```

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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