

Converting Colors

XYZ(40.8447, 33.1365, 50.6759)

Have a look what the booklet for
XYZ(40.8447, 33.1365, 50.6759)
contains.

XYZ(40.9558, 33.1593, 50.6961)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.9558, 33.1593,
50.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	C688BA
RGB	198, 136, 186
RGB Percent	78%, 53%, 73%
CMY	0.2235, 0.4666, 0.2706
CMYK	0.00, 0.31, 0.06, 0.22
HSL	312°, 35%, 65%
HSV	312°, 31%, 78%
XYZ	40.9558, 33.1593, 50.6961
YIQ	160.2380, 20.9020, 28.6940

Conversions

Conversions Part 2

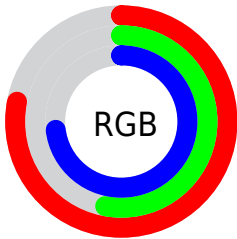
Format	Color
RYB	198, 136, 186
Decimal	13011130
CIELab	64.29, 31.58, -16.58
CIELCh	64, 35.668, 332.296
Yxy	33.1593, 0.3281, 0.2657
Android (android.graphics.Color)	4291201210 (0xFFC688BA)
YUV	160.2380, 12.7007, 33.1173
Hunter-Lab	57.5841, 26.1831, -11.8891

Details

The XYZ color **40.9558, 33.1593, 50.6961** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.6941, 47.7616, 35.3567**, and the grayscale version is **33.4608, 35.2033, 38.3364**.

A 20% lighter version of the original color is **75.6805, 64.4977, 92.4649**, and **18.8098, 14.0301, 23.9070** is the 20% darker color. If you saturate the color by 10%, you get **38.0189, 27.9283, 47.7340**, and if you desaturate by 10%, it is **44.4208, 39.4278, 53.8889**.

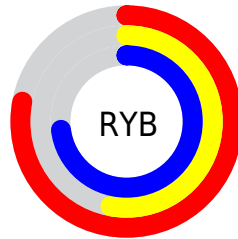
Distribution



Red (78%)

Green (53%)

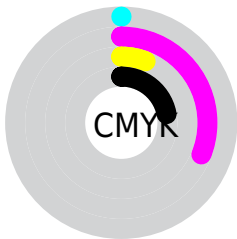
Blue (73%)



Red (78%)

Yellow (53%)

Blue (73%)

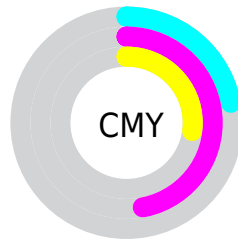


Cyan (0%)

Magenta (31%)

Yellow (6%)

Black (22%)



Cyan (22%)


Magenta (47%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9558, 33.1593, 50.6961 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 40.9558, 33.1593, 50.6961 by changing the saturation by 10% instead.


 40.9558, 33.1593,
50.6961

 40.9558, 33.1593,
50.6961

341.2016,
316.3669, 406.1947


 28.4721, 22.2485,
35.5918


 75.8919, 64.6242,
92.6123

 18.8241, 14.0396,
23.8319


 99.0750, 85.9470,
120.2612

 11.6465, 8.1482,
14.9979


 126.5553,
111.5093, 152.9288

 6.5739, 4.1899,
8.6713

158.6981,
141.6955, 191.0335

 3.2410, 1.7804,
4.4335

195.8688,
176.8900, 234.9939

 1.2825, 0.4749,
1.8661

238.4327,

 0.1700, 0.0000,

217.4771, 285.2285

0.4710

286.7552,
263.8413, 342.1560

■ 0.0000, 0.0000,
0.0000

■ 40.9558, 33.1593,
50.6961

■ 40.9558, 33.1593,
50.6961

■ 38.0189, 27.9283,
47.7340

■ 44.4208, 39.4278,
53.8889

■ 35.5785, 23.6735,
44.9906

■ 48.4371, 46.7820,
57.3194

■ 33.6044, 20.3341,
42.4557

■ 53.0303, 55.2720,
60.9969

■ 32.0617, 17.8406,
40.1172

■ 58.2233, 64.9440,
64.9296

■ 30.9107, 16.1133,
37.9616

■ 64.0381, 75.8413,
69.1250

■ 30.1039, 15.0577,
35.9725

■ 70.4951, 88.0051,
73.5905

■ 29.6057, 14.5326,
34.3535

■ 71.0375, 88.3213,
76.1407

■ 71.5294, 88.5181,
78.7308

■ 72.0328, 88.7194,
81.3819

Harmonies

Analogous

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



37.0154, 33.1593, 65.2072



40.9558, 33.1593, 50.6961



42.2911, 33.1593, 34.9985

Triad

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



40.9558, 33.1593, 50.6961



31.1282, 33.1593, 14.7820



23.9764, 33.1593, 53.1629

Complementary

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



40.9558, 33.1593, 50.6961



35.6941, 47.7616, 35.3567

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.



22.7482, 33.1593, 37.2343



40.9558, 33.1593, 50.6961



26.5918, 33.1593, 17.2789

Square

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



40.9558, 33.1593, 50.6961



36.2679, 33.1593, 16.6039



23.6526, 33.1593, 24.6221



27.2001, 33.1593, 66.8791

Rectangle

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



40.9558, 33.1593, 50.6961



41.4203, 33.1593, 26.5181



23.6526, 33.1593, 24.6221



23.3331, 33.1593, 47.7616

Sweetspot

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



40.9568, 33.1608, 50.6968



87.4536, 85.9385, 102.8801



31.0972, 27.9243, 57.1776



18.4733, 17.9422, 21.8197



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.



40.9568, 33.1608, 50.6968



68.6597, 51.8181, 85.9257



38.0639, 32.0036, 35.4627



10.9917, 10.7801, 12.9395



19.2835, 9.4629, 22.5004



0.9363, 0.4574, 1.1877

Inverse Universe

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



40.9568, 33.1608, 50.6968



68.6597, 51.8181, 85.9257



38.4214, 48.8525, 49.7184



10.9917, 10.7801, 12.9395



19.2835, 9.4629, 22.5004



0.9363, 0.4574, 1.1877

Previews

White Background



This preview shows how the XYZ color 40.9558, 33.1593, 50.6961 looks on a white background.

Color Contrast Check

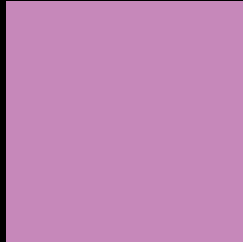
Large Text (above 18pt) WCAG AA × Fail

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 40.9558, 33.1593, 50.6961 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 40.9558, 33.1593, 50.6961

Background



This preview shows how black text looks on a background with the XYZ color 40.9558, 33.1593, 50.6961.



This preview shows how white text looks on a background with the XYZ color 40.9558, 33.1593,

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

40.9558, 33.1593, 50.6961

Protanopia

33.7072, 33.5860, 58.7390

Deuteranopia

33.8760, 33.1445, 49.4118



Tritanopia

37.6709, 33.1152, 34.5434

Trichromacy



Original Color

40.9558, 33.1593, 50.6961

Protanomaly

35.6374, 32.9674, 55.5240

Deuteranomaly

36.1642, 32.9027, 49.7922

Tritanomaly

38.6753, 33.0749, 39.9430

Monochromacy



Original Color

40.9558, 33.1593, 50.6961

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.6836, 33.9965, 42.2174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9558, 33.1593, 50.6961 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, 136, 186)` looks like.

```
.text, #text, p{  
    color:rgb(198, 136, 186)  
}
```

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, 136, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 136, 186) }
```

Border

The CSS property to change the border of an element to XYZ 40.9558, 33.1593, 50.6961 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, 136, 186) }
```


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

```
.border{ border-color:rgb(198, 136, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 136, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 136, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 136, 186);  
box-shadow:4px 4px 4px 4px rgb(198, 136,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9558, 33.1593, 50.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 136, 186) }
```

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

```
.background{ background-color: rgb(198,  
136, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor