

Converting Colors

XYZ(33.5742, 17.9908, 52.7778)

Have a look what the booklet for
XYZ(33.5742, 17.9908, 52.7778)
contains.

XYZ(33.4713, 17.9531, 52.7401)	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(33.4713, 17.9531,
52.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	C334C2
RGB	195, 52, 194
RGB Percent	76%, 20%, 76%
CMY	0.2353, 0.7961, 0.2392
CMYK	0.00, 0.73, 0.01, 0.24
HSL	300°, 58%, 48%
HSV	300°, 73%, 76%
XYZ	33.4713, 17.9531, 52.7401
YIQ	110.9450, 39.6460, 74.4780

Conversions

Conversions Part 2

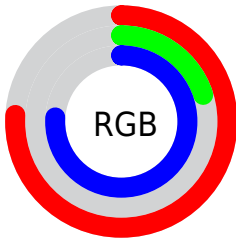
Format	Color
RYB	195, 52, 194
Decimal	12793026
CIELab	49.44, 71.02, -44.24
CIElCh	49, 83.675, 328.079
Yxy	17.9531, 0.3213, 0.1724
Android (android.graphics.Color)	4290983106 (0xFFC334C2)
YUV	110.9450, 40.9461, 73.7162
Hunter-Lab	42.3711, 66.8577, -44.1396

Details

The XYZ color **33.4713, 17.9531, 52.7401** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **21.5747, 40.0182, 9.9563**, and the grayscale version is **14.9716, 15.7513, 17.1532**.

A 20% lighter version of the original color is **64.5577, 40.0353, 95.5918**, and **15.0502, 7.2118, 25.4097** is the 20% darker color. If you saturate the color by 10%, you get **32.7586, 16.5517, 52.4271**, and if you desaturate by 10%, it is **34.5447, 20.0747, 53.1737**.

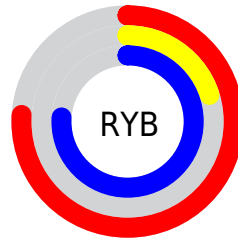
Distribution



Red (76%)

Green (20%)

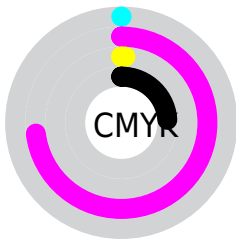
Blue (76%)



Red (76%)

Yellow (20%)

Blue (76%)

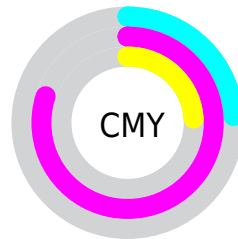


Cyan (0%)

Magenta (73%)

Yellow (1%)

Black (24%)



Cyan (24%)


Magenta (80%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4713, 17.9531, 52.7401 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 33.4713, 17.9531, 52.7401 by changing the saturation by 10% instead.

 33.4713, 17.9531,
52.7401


 33.4713, 17.9531,
52.7401

309.3957,
240.6066, 414.3252

 22.6487, 10.9163,
37.2090


 64.4604, 39.9574,
95.6595

 14.4536, 6.0106,
25.0723


 85.3576, 55.6937,
123.8849

 8.5206, 2.8515,
15.9114


 110.3438, 75.0986,
157.1788

 4.4844, 1.0547,
9.3078

 139.7842, 98.5566,
195.9598

 1.9797, 0.0000,
4.8430

 174.0442,
126.4520, 240.6464

 0.6225, 0.0000,
2.0983

213.4893,

 0.0000, 0.0000,

159.1692, 291.6571

0.6148

258.4846,
197.0926, 349.4105

■ 0.0000, 0.0000,
0.0000

■ 33.4713, 17.9531,
52.7401

■ 33.4713, 17.9531,
52.7401

■ 32.7586, 16.5517,
52.4271

■ 34.5447, 20.0747,
53.1737

■ 32.3571, 15.7731,
52.2177

■ 36.0161, 22.9930,
53.7399

■ 32.2029, 15.4810,
52.1159

■ 37.9206, 26.7774,
54.4506

■ 40.2888, 31.4891,
55.3159

■ 43.1485, 37.1839,
56.3451

■ 46.5253, 43.9130,
57.5467

■ 50.4433, 51.7241,
58.9288

■ 54.9246, 60.6621,
60.4988

■ 59.9905, 70.7692,
62.2636

Harmonies

Analogous

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



25.2563, 17.9531, 88.5053



33.4713, 17.9531, 52.7401



37.1859, 17.9531, 21.0422

Triad

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



33.4713, 17.9531, 52.7401



17.5780, 17.9531, 0.1127



6.8662, 17.9531, 47.9964

Complementary

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



33.4713, 17.9531, 52.7401



21.5747, 40.0182, 9.9563

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.



5.9416, 17.9531, 18.1260



33.4713, 17.9531, 52.7401



10.8676, 17.9531, 0.7980

Square

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



33.4713, 17.9531, 52.7401



26.4187, 17.9531, 0.9944



7.1474, 17.9531, 4.3906



10.2279, 17.9531, 84.5752

Rectangle

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



33.4713, 17.9531, 52.7401



35.9539, 17.9531, 8.9191



7.1474, 17.9531, 4.3906



6.3160, 17.9531, 36.3892

Sweetspot

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



33.4720, 17.9539, 52.7405



77.8345, 67.7038, 101.1121



12.4953, 7.1270, 52.3477



16.7092, 14.1576, 22.0224



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.



33.4720, 17.9539, 52.7405



58.1758, 28.6815, 93.6497



27.3411, 15.5016, 20.4558



10.4942, 10.2463, 12.6929



20.9312, 10.0622, 33.8794



0.9054, 0.4352, 1.4691

Inverse Universe

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



33.4720, 17.9539, 52.7405



58.1758, 28.6815, 93.6497



24.5387, 41.2038, 25.5646



10.4942, 10.2463, 12.6929



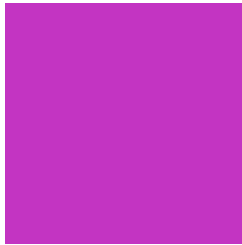
20.9312, 10.0622, 33.8794



0.9054, 0.4352, 1.4691

Previews

White Background



This preview shows how the XYZ color 33.4713, 17.9531, 52.7401 looks on a white background.

Color Contrast Check

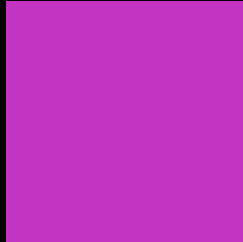
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.4713, 17.9531, 52.7401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

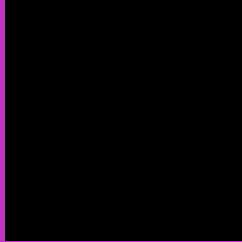
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4713, 17.9531, 52.7401

Background



This preview shows how black text looks on a background with the XYZ color 33.4713, 17.9531, 52.7401.



This preview shows how white text looks on a background with the XYZ color 33.4713, 17.9531,

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

33.4713, 17.9531, 52.7401

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

18.6974, 18.2566, 47.8858



Tritanopia

25.2773, 17.9779, 12.7275

Trichromacy



Original Color

33.4713, 17.9531, 52.7401



Protanomaly

19.9302, 14.2580, 72.9358



Deuteranomaly

21.3920, 15.9213, 49.5226



Tritanomaly

27.2844, 17.3352, 23.0271

Monochromacy



Original Color

33.4713, 17.9531, 52.7401



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.6192, 14.9862, 27.0579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4713, 17.9531, 52.7401 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(195, 52, 194)` looks like.

```
.text, #text, p{  
    color:rgb(195, 52, 194)  
}
```

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(195, 52, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 52, 194) }
```

Border

The CSS property to change the border of an element to XYZ 33.4713, 17.9531, 52.7401 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(195, 52, 194) }
```


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

```
.border{ border-color:rgb(195, 52, 194) }
```

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

Here you see how a box with a 4 pixel rgb(195, 52, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 52, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 52, 194);  
box-shadow:4px 4px 4px 4px rgb(195, 52,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4713, 17.9531, 52.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 52, 194) }
```

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

```
.background{ background-color: rgb(195, 52,  
194) }
```

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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