

Converting Colors

XYZ(33.3542, 16.4018, 54.2312)

Have a look what the booklet for
XYZ(33.3542, 16.4018, 54.2312)
contains.

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Color

**XYZ(33.3542, 16.4018,
54.2312)**

Conversions

Conversions Part 1

Format	Color
Hex	C514C5
RGB	197, 20, 197
RGB Percent	77%, 8%, 77%
CMY	0.2274, 0.9215, 0.2274
CMYK	0.00, 0.90, 0.00, 0.23
HSL	300°, 82%, 43%
HSV	300°, 90%, 77%
XYZ	33.3542, 16.4018, 54.2312
YIQ	93.1010, 48.6750, 92.5710

Conversions

Conversions Part 2

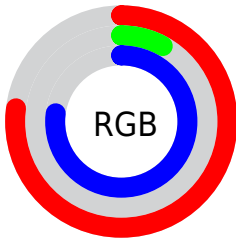
Format	Color
R _Y B	197, 20, 197
Decimal	12915909
CIE Lab	47.50, 78.98, -49.06
CIE LCh	47, 92.975, 328.154
Yxy	16.4018, 0.3208, 0.1577
Android (android.graphics.Color)	4291105989 (0xFFC514C5)
YUV	93.1010, 51.2222, 91.1194
Hunter-Lab	40.4991, 76.1352, -51.0441

Details

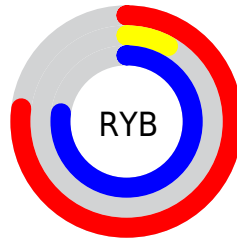
The XYZ color **33.3542, 16.4018, 54.2312** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **20.3818, 40.1327, 7.3347**, and the grayscale version is **10.3063, 10.8430, 11.8080**.

A 20% lighter version of the original color is **63.3123, 36.7815, 97.5285**, and **15.3637, 7.3563, 26.2013** is the 20% darker color. If you saturate the color by 10%, you get **33.1079, 15.9086, 54.1491**, and if you desaturate by 10%, it is **33.8537, 17.4001, 54.3979**.

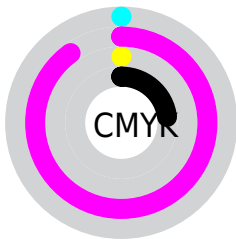
Distribution



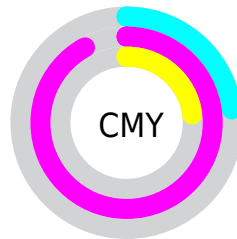
- Red (77%)
- Green (8%)
- Blue (77%)



- Red (77%)
- Yellow (8%)
- Blue (77%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (23%)




- Cyan (23%)
- Magenta (92%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3542, 16.4018, 54.2312 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 33.3542, 16.4018, 54.2312 by changing the saturation by 10% instead.

 33.3542, 16.4018,
54.2312


 33.3542, 16.4018,
54.2312


308.8796,
231.7011, 420.1906


 22.5585, 9.8089,
38.3921


 64.2791, 37.2944,
97.8734


 14.3867, 5.2725,
25.9830


 85.1390, 52.3628,
126.5137

 8.4736, 2.4080,
16.5852


 110.0843, 71.0253,
160.2580

 4.4538, 0.8300,
9.7804

 139.4804, 93.6661,
199.5250

 1.9619, 0.0000,
5.1499

 173.6926,
120.6697, 244.7333

 0.6124, 0.0000,
2.2752

 213.0863,

 0.0000, 0.0000,

152.4205, 296.3012

0.7173

258.0269,
189.3028, 354.6475

■ 0.0000, 0.0000,
0.0000

■ 33.3542, 16.4018,
54.2312

■ 33.3542, 16.4018,
54.2312

■ 33.1079, 15.9086,
54.1491

■ 33.8537, 17.4001,
54.3979

■ 33.1045, 15.9018,
54.1480

■ 34.6898, 19.0724,
54.6767

■ 35.9087, 21.5102,
55.0831

■ 37.5488, 24.7903,
55.6298

■ 39.6437, 28.9801,
56.3282

■ 42.2239, 34.1404,
57.1884

■ 45.3169, 40.3264,
58.2195

■ 48.9485, 47.5895,
59.4301

■ 53.1425, 55.9775,
60.8282

Harmonies

Analogous

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



24.3514, 16.4018, 95.5112



33.3542, 16.4018, 54.2312



37.4700, 16.4018, 19.3651

Triad

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



33.3542, 16.4018, 54.2312



16.1069, 16.4018, 0.0000



5.3584, 16.4018, 49.0795

Complementary

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



33.3542, 16.4018, 54.2312



20.3818, 40.1327, 7.3347

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.



4.4916, 16.4018, 16.4327



33.3542, 16.4018, 54.2312



9.2305, 16.4018, 0.0000

Square

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



33.3542, 16.4018, 54.2312



25.5645, 16.4018, 0.2036



5.6135, 16.4018, 3.0021



8.6194, 16.4018, 91.0981

Rectangle

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



33.3542, 16.4018, 54.2312



36.0833, 16.4018, 7.1026



5.6135, 16.4018, 3.0021



4.8416, 16.4018, 36.1172

Sweetspot

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



33.3549, 16.4026, 54.2315



76.8804, 63.6610, 102.8431



10.6174, 4.6809, 53.1682



16.0744, 12.8638, 21.8856



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.



33.3549, 16.4026, 54.2315



59.2897, 28.4799, 96.9784



26.0107, 13.4649, 15.5575



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864

Inverse Universe

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



33.3549, 16.4026, 54.2315



59.2897, 28.4799, 96.9784



22.9893, 41.1757, 21.0654



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 33.3542, 16.4018, 54.2312 looks on a white background.

Color Contrast Check

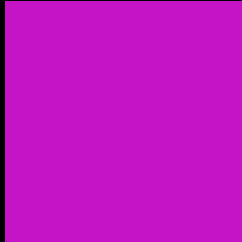
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3542, 16.4018, 54.2312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

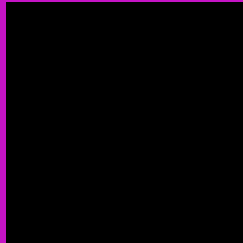
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.3542, 16.4018, 54.2312

Background



This preview shows how black text looks on a background with the XYZ color 33.3542, 16.4018, 54.2312.



This preview shows how white text looks on a background with the XYZ color 33.3542, 16.4018,

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

33.3542, 16.4018, 54.2312

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

17.3001, 16.8395, 48.2375



Tritanopia

24.4038, 16.5463, 10.2950

Trichromacy



Original Color

33.3542, 16.4018, 54.2312



Protanomaly

18.1125, 11.7999, 68.3408



Deuteranomaly

19.2564, 13.1244, 49.6625



Tritanomaly

26.2010, 15.3256, 20.9792

Monochromacy



Original Color

33.3542, 16.4018, 54.2312



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

15.4050, 10.3604, 22.6606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3542, 16.4018, 54.2312 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(197, 20, 197)` looks like.

```
.text, #text, p{  
    color:rgb(197, 20, 197)  
}
```

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(197, 20, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 20, 197) }
```

Border

The CSS property to change the border of an element to XYZ 33.3542, 16.4018, 54.2312 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(197, 20, 197) }
```


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

```
.border{ border-color:rgb(197, 20, 197) }
```

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

Here you see how a box with a 4 pixel rgb(197, 20, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 20, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 20, 197);  
box-shadow:4px 4px 4px 4px rgb(197, 20,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3542, 16.4018, 54.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 20, 197) }
```

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

```
.background{ background-color: rgb(197, 20,  
197) }
```

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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