

Converting Colors

XYZ(33.7597, 16.2222, 54.9840)

Have a look what the booklet for
XYZ(33.7597, 16.2222, 54.9840)
contains.

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Color

**XYZ(33.7462, 16.2193,
54.7781)**

Conversions

Conversions Part 1

Format	Color
Hex	C700C6
RGB	199, 0, 198
RGB Percent	78%, 0%, 78%
CMY	0.2196, 0.9999, 0.2235
CMYK	0.00, 1.00, 0.01, 0.22
HSL	300°, 100%, 39%
HSV	300°, 100%, 78%
XYZ	33.7462, 16.2193, 54.7781
YIQ	82.0730, 55.0460, 103.7660

Conversions

Conversions Part 2

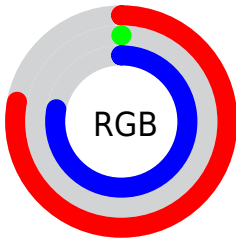
Format	Color
RYB	199, 0, 198
Decimal	13041862
CIELab	47.26, 81.37, -50.00
CIELCh	47, 95.506, 328.434
Yxy	16.2193, 0.3222, 0.1548
Android (android.graphics.Color)	4291231942 (0xFFC700C6)
YUV	82.0730, 57.1520, 102.5450
Hunter-Lab	40.2732, 79.0928, -52.4528

Details

The XYZ color **33.7462, 16.2193, 54.7781** 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 **20.4296, 40.8498, 6.8375**, and the grayscale version is **7.9191, 8.3316, 9.0731**.

A 20% lighter version of the original color is **63.1171, 36.1343, 98.2557**, and **15.7731, 7.5586, 26.6142** is the 20% darker color. If you saturate the color by 10%, you get **33.7466, 16.2195, 54.7783**, and if you desaturate by 10%, it is **34.0070, 16.7218, 54.9221**.

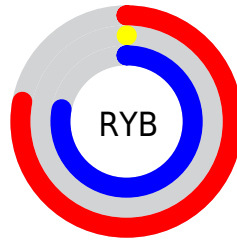
Distribution



Red (78%)

Green (0%)

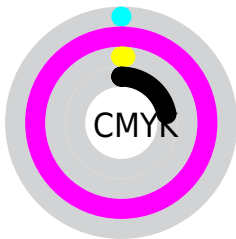
Blue (78%)



Red (78%)

Yellow (0%)

Blue (78%)

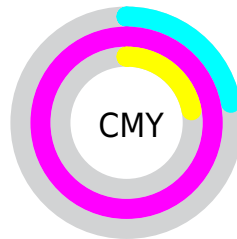


Cyan (0%)

Magenta (100%)

Yellow (1%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7462, 16.2193, 54.7781 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 33.7462, 16.2193, 54.7781 by changing the saturation by 10% instead.


 33.7462, 16.2193,
54.7781


 33.7462, 16.2193,
54.7781


310.6047,
230.6323, 422.3285


 22.8607, 9.6795,
38.8267


 64.8857, 36.9785,
98.6836


 14.6108, 5.1870,
26.3181


 85.8704, 51.9667,
127.4749


 8.6312, 2.3574,
16.8339


 110.9522, 70.5397,
161.3831

 4.5566, 0.8038,
9.9554

 140.4964, 93.0821,
200.8269

 2.0216, 0.0000,
5.2642

 174.8684,
119.9781, 246.2248

 0.6460, 0.0000,
2.3417

 214.4335,

 0.0000, 0.0000,

151.6122, 297.9953

0.7544

259.5572,
188.3688, 356.5570

■ 0.0000, 0.0000,
0.0000

■ 33.7462, 16.2193,
54.7781

■ 33.7462, 16.2193,
54.7781

■ 33.7466, 16.2195,
54.7783

■ 34.0070, 16.7218,
54.9221

■ 34.5226, 17.7346,
55.1510

■ 35.3828, 19.4364,
55.4948

■ 36.6342, 21.9207,
55.9690

■ 38.3162, 25.2663,
56.5869

■ 40.4636, 29.5425,
57.3598

■ 43.1075, 34.8117,
58.2983

■ 46.2763, 41.1307,
59.4118

■ 49.9962, 48.5520,
60.7091

Harmonies

Analogous

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



24.4865, 16.2193, 97.9304



33.7462, 16.2193, 54.7781



37.9394, 16.2193, 18.9588

Triad

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



33.7462, 16.2193, 54.7781



15.8630, 16.2193, 0.0000



5.1084, 16.2193, 50.2381

Complementary

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



33.7462, 16.2193, 54.7781



20.4296, 40.8498, 6.8375

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.



4.2312, 16.2193, 16.4221



33.7462, 16.2193, 54.7781



8.9179, 16.2193, 0.0000

Square

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



33.7462, 16.2193, 54.7781



25.5455, 16.2193, 0.0077



5.3234, 16.2193, 2.8059



8.3960, 16.2193, 94.0110

Rectangle

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



33.7462, 16.2193, 54.7781



36.4552, 16.2193, 6.6776



5.3234, 16.2193, 2.8059



4.5893, 16.2193, 36.7658

Sweetspot

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



33.7469, 16.2201, 54.7784



75.2482, 60.4954, 101.9941



10.3095, 4.1243, 54.2863



15.6626, 12.0643, 21.6739



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.



33.7469, 16.2201, 54.7784



59.0841, 28.3977, 95.8960



25.8305, 13.0535, 13.0916



11.0808, 10.8157, 13.4085



21.7006, 10.4298, 35.2288



1.0283, 0.4942, 1.6721

Inverse Universe

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



33.7469, 16.2201, 54.7784



59.0841, 28.3977, 95.8960



22.7008, 41.7583, 18.7971



11.0808, 10.8157, 13.4085



21.7006, 10.4298, 35.2288



1.0283, 0.4942, 1.6721

Previews

White Background



This preview shows how the XYZ color 33.7462, 16.2193, 54.7781 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 33.7462, 16.2193, 54.7781 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 33.7462, 16.2193, 54.7781

Background



This preview shows how black text looks on a background with the XYZ color 33.7462, 16.2193, 54.7781.



This preview shows how white text looks on a background with the XYZ color 33.7462, 16.2193,

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

33.7462, 16.2193, 54.7781

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.3345, 16.8450, 48.7922



Tritanopia

24.7792, 16.6381, 10.0891

Trichromacy



Original Color

33.7462, 16.2193, 54.7781



Protanomaly

17.7809, 10.9253, 68.8818



Deuteranomaly

18.8793, 12.1958, 50.0742



Tritanomaly

26.3281, 14.8382, 20.8785

Monochromacy



Original Color

33.7462, 16.2193, 54.7781



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.3235, 8.2712, 19.9631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7462, 16.2193, 54.7781 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(199, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 198)  
}
```

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(199, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.7462, 16.2193, 54.7781 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(199, 0, 198) }
```


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

```
.border{ border-color:rgb(199, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7462, 16.2193, 54.7781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 198) }
```

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

```
.background{ background-color: rgb(199, 0,  
198) }
```

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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