

Converting Colors

XYZ(34.4340, 17.4097, 55.5784)

Have a look what the booklet for
XYZ(34.4340, 17.4097, 55.5784)
contains.

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Color

**XYZ(34.4340, 17.4097,
55.5784)**

Conversions

Conversions Part 1

Format	Color
Hex	C722C7
RGB	199, 34, 199
RGB Percent	78%, 13%, 78%
CMY	0.2196, 0.8666, 0.2196
CMYK	0.00, 0.83, 0.00, 0.22
HSL	300°, 71%, 46%
HSV	300°, 83%, 78%
XYZ	34.4340, 17.4097, 55.5784
YIQ	102.1450, 45.3750, 86.2950

Conversions

Conversions Part 2

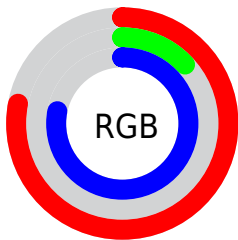
Format	Color
R _Y B	199, 34, 199
Decimal	13050567
CIE Lab	48.77, 77.25, -48.16
CIE LCh	49, 91.033, 328.058
Yxy	17.4097, 0.3205, 0.1621
Android (android.graphics.Color)	4291240647 (0xFFC722C7)
YUV	102.1450, 47.7495, 84.9418
Hunter-Lab	41.7249, 74.2906, -49.7679

Details

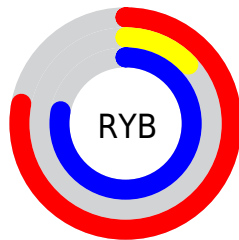
The XYZ color **34.4340, 17.4097, 55.5784** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **21.3727, 41.3032, 8.3601**, and the grayscale version is **12.5397, 13.1927, 14.3669**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **15.8493, 7.5891, 27.0150** is the 20% darker color. If you saturate the color by 10%, you get **34.0209, 16.5829, 55.4408**, and if you desaturate by 10%, it is **35.1774, 18.8959, 55.8264**.

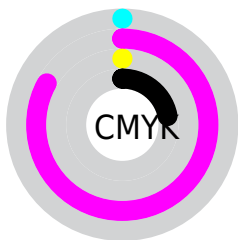
Distribution



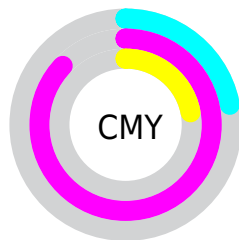
- Red (78%)
- Green (13%)
- Blue (78%)



- Red (78%)
- Yellow (13%)
- Blue (78%)



- Cyan (0%)
- Magenta (83%)
- Yellow (0%)
- Black (22%)



- Cyan (22%)
- Magenta (87%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4340, 17.4097, 55.5784 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 34.4340, 17.4097, 55.5784 by changing the saturation by 10% instead.

■ 34.4340, 17.4097,
55.5784

■ 34.4340, 17.4097,
55.5784

313.6149,
237.5224, 425.4443

■ 23.3917, 10.5270,
39.4633

■ 65.9478, 39.0289,
99.8675

■ 15.0053, 5.7498,
26.8097

■ 87.1500, 54.5341,
128.8786

■ 8.9094, 2.6935,
17.1992

■ 112.4696, 73.6824,
163.0254

■ 4.7388, 0.9739,
10.2132

■ 142.2718, 96.8581,
202.7265

■ 2.1280, 0.0000,
5.4331

■ 176.9221,
124.4455, 248.4004

■ 0.7044, 0.0000,
2.4404

■ 216.7858,

■ 0.0000, 0.0000,

156.8291, 300.4656

0.8083

262.2283,
194.3933, 359.3407

■ 0.0000, 0.0000,
0.0000

■ 34.4340, 17.4097,
55.5784

■ 34.4340, 17.4097,
55.5784

■ 34.0209, 16.5829,
55.4408

■ 35.1774, 18.8959,
55.8264

■ 33.8623, 16.2658,
55.3879

■ 36.2986, 21.1382,
56.2001

■ 37.8395, 24.2200,
56.7138

■ 39.8360, 28.2130,
57.3794

■ 42.3202, 33.1814,
58.2075

45.3212, 39.1833,
59.2079

48.8659, 46.2728,
60.3895

52.9793, 54.4996,
61.7607

57.6849, 63.9108,
63.3293

Harmonies

Analogous

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



25.3884, 17.4097, 96.3476



34.4340, 17.4097, 55.5784



38.5688, 17.4097, 20.5705

Triad

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



34.4340, 17.4097, 55.5784



17.1019, 17.4097, 0.0000



5.9793, 17.4097, 50.1901

Complementary

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



34.4340, 17.4097, 55.5784



21.3727, 41.3032, 8.3601

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.



5.0694, 17.4097, 17.4286



34.4340, 17.4097, 55.5784



10.0418, 17.4097, 0.2626

Square

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



34.4340, 17.4097, 55.5784



26.6730, 17.4097, 0.4782



6.2618, 17.4097, 3.4873



9.3762, 17.4097, 91.7790

Rectangle

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



34.4340, 17.4097, 55.5784



37.2000, 17.4097, 7.9115



6.2618, 17.4097, 3.4873



5.4360, 17.4097, 37.2631

Sweetspot

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



34.4347, 17.4105, 55.5787



77.9753, 65.8507, 103.2082



11.5413, 5.6085, 54.5078



16.2837, 13.2823, 21.9554



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.



34.4347, 17.4105, 55.5787



59.3175, 28.5353, 96.9883



27.3078, 14.5597, 18.0488



11.0832, 10.8166, 13.4212



21.7740, 10.4592, 35.6152



1.0310, 0.4952, 1.6864

Inverse Universe

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



34.4347, 17.4105, 55.5787



59.3175, 28.5353, 96.9883



24.2657, 42.4604, 23.5945



11.0832, 10.8166, 13.4212



21.7740, 10.4592, 35.6152



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 34.4340, 17.4097, 55.5784 looks on a white background.

Color Contrast Check

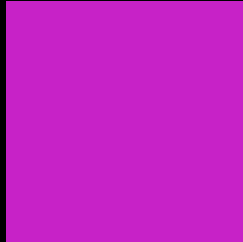
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4340, 17.4097, 55.5784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

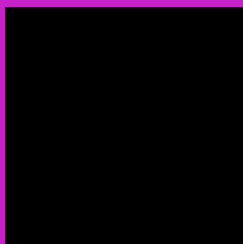
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.4340, 17.4097, 55.5784

Background



This preview shows how black text looks on a background with the XYZ color 34.4340, 17.4097, 55.5784.



This preview shows how white text looks on a background with the XYZ color 34.4340, 17.4097,

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

34.4340, 17.4097, 55.5784

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

18.3400, 17.8493, 50.0556



Tritanopia

25.3482, 17.4559, 11.2658

Trichromacy



Original Color

34.4340, 17.4097, 55.5784



Protanomaly

19.2974, 13.1002, 72.0325



Deuteranomaly

20.6684, 14.6152, 51.6009



Tritanomaly

27.2724, 16.4155, 22.1532

Monochromacy



Original Color

34.4340, 17.4097, 55.5784



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

17.4858, 12.4323, 25.1450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4340, 17.4097, 55.5784 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, 34, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 34, 199)  
}
```

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, 34, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 34, 199) }
```

Border

The CSS property to change the border of an element to XYZ 34.4340, 17.4097, 55.5784 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, 34, 199) }
```


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

```
.border{ border-color:rgb(199, 34, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 34, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 34, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 34, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 34,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4340, 17.4097, 55.5784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 34, 199) }
```

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

```
.background{ background-color: rgb(199, 34,  
199) }
```

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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