

Converting Colors

XYZ(33.2511, 18.4187, 34.2595)

Have a look what the booklet for
XYZ(33.2511, 18.4187, 34.2595)
contains.

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Color

**XYZ(33.2699, 18.4664,
34.1586)**

Conversions

Conversions Part 1

Format	Color
Hex	CF379E
RGB	207, 55, 158
RGB Percent	81%, 22%, 62%
CMY	0.1882, 0.7843, 0.3804
CMYK	0.00, 0.73, 0.24, 0.19
HSL	319°, 61%, 51%
HSV	319°, 73%, 81%
XYZ	33.2699, 18.4664, 34.1586
YIQ	112.1900, 57.5290, 64.2570

Conversions

Conversions Part 2

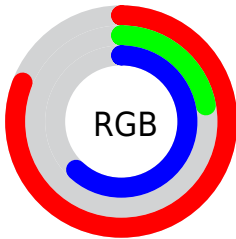
Format	Color
R_{YB}	207, 55, 158
Decimal	13580190
CIE _{Lab}	50.06, 67.65, -22.01
CIE _{LCh}	50, 71.138, 341.981
Yxy	18.4664, 0.3873, 0.2150
Android (android.graphics.Color)	4291770270 (0xFFCF379E)
YUV	112.1900, 22.5843, 83.1484
Hunter-Lab	42.9725, 62.9950, -17.0485

Details

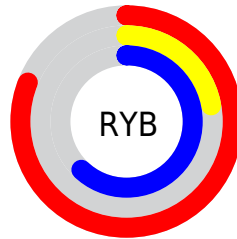
The XYZ color **33.2699, 18.4664, 34.1586** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **26.3882, 46.4381, 20.6718**, and the grayscale version is **15.3820, 16.1831, 17.6234**.

A 20% lighter version of the original color is **59.3810, 38.3256, 67.2186**, and **14.8143, 7.3365, 14.2710** is the 20% darker color. If you saturate the color by 10%, you get **31.9257, 16.6723, 30.9530**, and if you desaturate by 10%, it is **35.0586, 21.0991, 37.6666**.

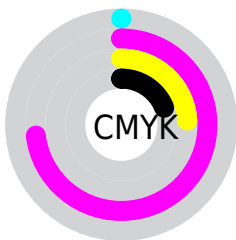
Distribution



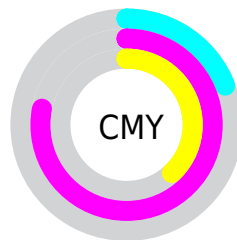
- Red (81%)
- Green (22%)
- Blue (62%)



- Red (81%)
- Yellow (22%)
- Blue (62%)



- Cyan (0%)
- Magenta (73%)
- Yellow (24%)
- Black (19%)



- Cyan (19%)
- Magenta (78%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2699, 18.4664, 34.1586 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 33.2699, 18.4664, 34.1586 by changing the saturation by 10% instead.

■ 33.2699, 18.4664,
34.1586

■ 33.2699, 18.4664,
34.1586

308.5077,
243.4869, 335.6294

■ 22.4935, 11.2854,
22.7371

■ 64.1485, 40.8305,
67.3169

■ 14.3386, 6.2591,
14.1960

■ 84.9815, 56.7823,
89.8909

■ 8.4398, 3.0033,
8.1168

■ 109.8974, 76.4265,
117.0194

■ 4.4318, 1.1334,
4.0810

■ 139.2615,
100.1474, 149.1210

■ 1.9492, 0.0063,
1.6699

■ 173.4392,
128.3296, 186.6143

■ 0.6052, 0.0000,
0.3400

212.7959,

■ 0.0000, 0.0000,

161.3573, 229.9177

0.0000

257.6970,
199.6149, 279.4499

■ 33.2699, 18.4664,
34.1586

■ 33.2699, 18.4664,
34.1586

■ 31.9257, 16.6723,
30.9530

■ 35.0586, 21.0991,
37.6666

■ 30.9683, 15.6028,
28.0276

■ 37.3364, 24.6596,
41.4938

■ 30.4856, 15.1668,
26.2347

■ 40.1443, 29.2287,
45.6563

■ 43.5181, 34.8776,
50.1682

■ 47.4907, 41.6711,
55.0429

■ 52.0922, 49.6688,
60.2924

■ 57.3506, 58.9261,
65.9282

■ 63.2923, 69.4951,
71.9613

■ 69.9422, 81.4247,
78.4020

Harmonies

Analogous

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



27.9038, 18.4664, 63.1319



33.2699, 18.4664, 34.1586



33.8223, 18.4664, 13.2560

Triad

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



33.2699, 18.4664, 34.1586



14.9601, 18.4664, 1.1835



9.4761, 18.4664, 57.3031

Complementary

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



33.2699, 18.4664, 34.1586



26.3882, 46.4381, 20.6718

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.



7.5717, 18.4664, 28.9856



33.2699, 18.4664, 34.1586



10.1408, 18.4664, 3.0907

Square

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



33.2699, 18.4664, 34.1586



21.9439, 18.4664, 1.3459



7.7783, 18.4664, 10.5588



13.7886, 18.4664, 81.4306

Rectangle

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



33.2699, 18.4664, 34.1586



31.2427, 18.4664, 6.0253



7.7783, 18.4664, 10.5588



8.5906, 18.4664, 47.3909

Sweetspot

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



33.2705, 18.4674, 34.1589



76.9139, 68.1702, 89.1593



18.2387, 10.1301, 60.0259



16.0608, 13.8983, 18.6081



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.



33.2705, 18.4674, 34.1589



50.2311, 25.6238, 46.9108



28.6554, 16.6213, 9.8561



12.1419, 11.9415, 14.0231



19.2521, 9.5737, 16.7654



1.1119, 0.5495, 1.1240

Inverse Universe

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



33.2705, 18.4674, 34.1589



50.2311, 25.6238, 46.9108



32.0394, 48.6986, 50.4308



12.1419, 11.9415, 14.0231



19.2521, 9.5737, 16.7654



1.1119, 0.5495, 1.1240

Previews

White Background



This preview shows how the XYZ color 33.2699, 18.4664, 34.1586 looks on a white background.

Color Contrast Check

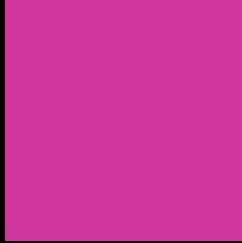
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.2699, 18.4664, 34.1586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

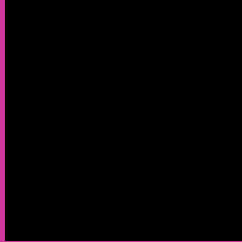
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2699, 18.4664, 34.1586

Background



This preview shows how black text looks on a background with the XYZ color 33.2699, 18.4664, 34.1586.



This preview shows how white text looks on a background with the XYZ color 33.2699, 18.4664,

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

33.2699, 18.4664, 34.1586

Protanopia

20.8952, 18.9281, 60.9447

Deuteranopia

18.9886, 18.6055, 31.0242



Tritanopia

28.3731, 18.4908, 10.2573

Trichromacy



Original Color

33.2699, 18.4664, 34.1586

Protanomaly

21.9404, 16.1916, 50.1130

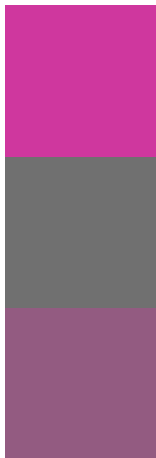
Deuteranomaly

22.0646, 16.6620, 31.7589

Tritanomaly

29.6332, 18.2026, 16.7035

Monochromacy



Original Color

33.2699, 18.4664, 34.1586

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.7362, 15.2702, 22.6761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2699, 18.4664, 34.1586 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(207, 55, 158)` looks like.

```
.text, #text, p{  
    color:rgb(207, 55, 158)  
}
```

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(207, 55, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 55, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.2699, 18.4664, 34.1586 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(207, 55, 158) }
```


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

```
.border{ border-color:rgb(207, 55, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 55, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 55, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 55, 158);  
box-shadow:4px 4px 4px 4px rgb(207, 55,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2699, 18.4664, 34.1586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 55, 158) }
```

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

```
.background{ background-color: rgb(207, 55,  
158) }
```

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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