

Converting Colors

XYZ(34.8991, 18.6135, 35.3738)

Have a look what the booklet for
XYZ(34.8991, 18.6135, 35.3738)
contains.

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Color

**XYZ(34.7743, 18.5207,
35.4603)**

Conversions

Conversions Part 1

Format	Color
Hex	D52CA1
RGB	213, 44, 161
RGB Percent	84%, 17%, 63%
CMY	0.1647, 0.8274, 0.3686
CMYK	0.00, 0.79, 0.24, 0.16
HSL	318°, 67%, 50%
HSV	318°, 79%, 84%
XYZ	34.7743, 18.5207, 35.4603
YIQ	107.8690, 63.1670, 72.2150

Conversions

Conversions Part 2

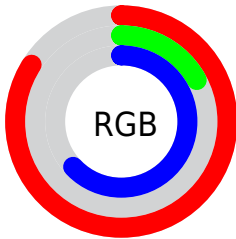
Format	Color
R_{YB}	213, 44, 161
Decimal	13970593
CIE _{Lab}	50.12, 72.60, -23.60
CIE _{LCh}	50, 76.342, 341.994
Yxy	18.5207, 0.3918, 0.2087
Android (android.graphics.Color)	4292160673 (0xFFD52CA1)
YUV	107.8690, 26.1936, 92.1999
Hunter-Lab	43.0357, 68.9216, -18.7285

Details

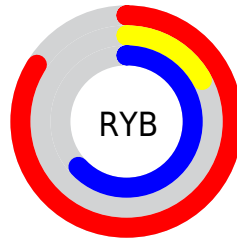
The XYZ color **34.7743, 18.5207, 35.4603** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **26.9454, 48.9692, 19.1010**, and the grayscale version is **14.1354, 14.8716, 16.1951**.

A 20% lighter version of the original color is **59.1033, 37.1551, 69.0223**, and **16.0867, 7.9742, 15.1593** is the 20% darker color. If you saturate the color by 10%, you get **33.6114, 17.0956, 32.2953**, and if you desaturate by 10%, it is **36.3754, 20.7733, 38.9211**.

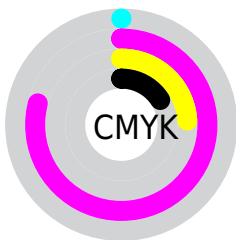
Distribution



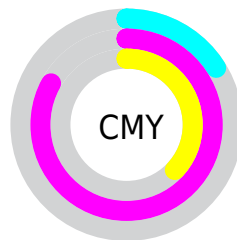
- Red (84%)
- Green (17%)
- Blue (63%)



- Red (84%)
- Yellow (17%)
- Blue (63%)



- Cyan (0%)
- Magenta (79%)
- Yellow (24%)
- Black (16%)





- Cyan (16%)
- Magenta (83%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7743, 18.5207, 35.4603 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 34.7743, 18.5207, 35.4603 by changing the saturation by 10% instead.


 34.7743, 18.5207,
35.4603


 34.7743, 18.5207,
35.4603


315.0965,
243.7898, 341.5612


 23.6548, 11.3245,
23.7313


 66.4723, 40.9226,
69.3579


 15.2011, 6.2855,
14.9240


 87.7815, 56.8971,
92.3635


 9.0479, 3.0195,
8.6201


 113.2179, 76.5664,
119.9651

 4.8298, 1.1419,
4.4008

 143.1470,
100.3150, 152.5812

 2.1815, 0.0135,
1.8477

 177.9340,
128.5272, 190.6303

 0.7329, 0.0000,
0.4591

217.9444,

 0.0000, 0.0000,

161.5875, 234.5310

0.0000

263.5434,
199.8802, 284.7018

■ 34.7743, 18.5207,
35.4603

■ 34.7743, 18.5207,
35.4603

■ 33.6114, 17.0956,
32.2953

■ 36.3754, 20.7733,
38.9211

■ 32.7928, 16.3115,
29.3922

■ 38.4682, 23.9602,
42.6974

■ 32.7432, 16.2672,
29.2065

■ 41.1000, 28.1752,
46.8073

■ 44.3119, 33.4998,
51.2666

■ 48.1410, 40.0075,
56.0897

■ 52.6210, 47.7652,
61.2899

■ 57.7834, 56.8349,
66.8797

■ 63.6573, 67.2744,
72.8708

■ 70.2702, 79.1383,
79.2742

Harmonies

Analogous

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



28.8650, 18.5207, 67.7468



34.7743, 18.5207, 35.4603



35.3824, 18.5207, 12.8644

Triad

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



34.7743, 18.5207, 35.4603



14.8244, 18.5207, 0.8209



9.0441, 18.5207, 61.2280

Complementary

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



34.7743, 18.5207, 35.4603



26.9454, 48.9692, 19.1010

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.



7.0753, 18.5207, 29.8104



34.7743, 18.5207, 35.4603



9.7339, 18.5207, 2.5557

Square

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



34.7743, 18.5207, 35.4603



22.3482, 18.5207, 0.9657



7.2865, 18.5207, 10.0562



13.5827, 18.5207, 88.4396

Rectangle

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



34.7743, 18.5207, 35.4603



32.5323, 18.5207, 5.4163



7.2865, 18.5207, 10.0562



8.1253, 18.5207, 50.1467

Sweetspot

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



34.7749, 18.5217, 35.4606



75.6520, 65.8205, 88.2022



17.6005, 9.0237, 63.7652



15.6872, 13.2155, 18.2844



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.



34.7749, 18.5217, 35.4606



49.6656, 24.8554, 45.6042



29.7102, 16.4958, 8.7901



12.7827, 12.5646, 14.7962



20.0484, 9.9557, 18.0910



1.2455, 0.6150, 1.2821

Inverse Universe

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



34.7749, 18.5217, 35.4606



49.6656, 24.8554, 45.6042



32.9908, 51.3874, 50.9354



12.7827, 12.5646, 14.7962



20.0484, 9.9557, 18.0910



1.2455, 0.6150, 1.2821

Previews

White Background



This preview shows how the XYZ color 34.7743, 18.5207, 35.4603 looks on a white background.

Color Contrast Check

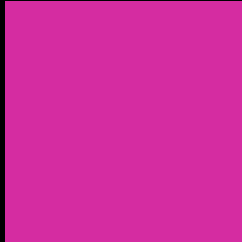
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7743, 18.5207, 35.4603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

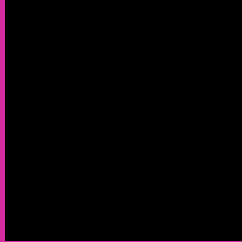
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7743, 18.5207, 35.4603

Background



This preview shows how black text looks on a background with the XYZ color 34.7743, 18.5207, 35.4603.



This preview shows how white text looks on a background with the XYZ color 34.7743, 18.5207,

35.4603.

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

34.7743, 18.5207, 35.4603

Protanopia

21.5582, 19.1101, 68.1980

Deuteranopia

19.2162, 18.8687, 32.3350



Tritanopia

29.2113, 18.4370, 9.2268

Trichromacy



Original Color

34.7743, 18.5207, 35.4603



Protanomaly

21.9026, 15.5545, 54.6712



Deuteranomaly

22.4200, 16.4280, 32.9996



Tritanomaly

30.7239, 18.0833, 16.0584

Monochromacy



Original Color

34.7743, 18.5207, 35.4603



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

18.9333, 14.1403, 21.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7743, 18.5207, 35.4603 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(213, 44, 161)` looks like.

```
.text, #text, p{  
    color:rgb(213, 44, 161)  
}
```

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(213, 44, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 44, 161) }
```

Border

The CSS property to change the border of an element to XYZ 34.7743, 18.5207, 35.4603 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(213, 44, 161) }
```


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

```
.border{ border-color:rgb(213, 44, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 44, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 44, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 44, 161);  
box-shadow:4px 4px 4px 4px rgb(213, 44,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7743, 18.5207, 35.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 44, 161) }
```

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

```
.background{ background-color: rgb(213, 44,  
161) }
```

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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