

Converting Colors

XYZ(35.1585, 18.5615, 38.0410)

Have a look what the booklet for
XYZ(35.1585, 18.5615, 38.0410)
contains.

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Color

**XYZ(35.1515, 18.5552,
37.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	D52AA6
RGB	213, 42, 166
RGB Percent	84%, 16%, 65%
CMY	0.1647, 0.8352, 0.3490
CMYK	0.00, 0.80, 0.22, 0.16
HSL	316°, 67%, 50%
HSV	316°, 80%, 84%
XYZ	35.1515, 18.5552, 37.8052
YIQ	107.2650, 62.1120, 74.8160

Conversions

Conversions Part 2

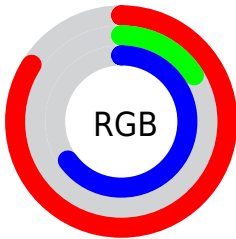
Format	Color
R_{YB}	213, 42, 166
Decimal	13970086
CIE _{Lab}	50.16, 73.71, -26.50
CIE _{LCh}	50, 78.332, 340.229
Yxy	18.5552, 0.3841, 0.2028
Android (android.graphics.Color)	4292160166 (0xFFD52AA6)
YUV	107.2650, 28.9564, 92.7296
Hunter-Lab	43.0757, 70.2804, -21.8825

Details

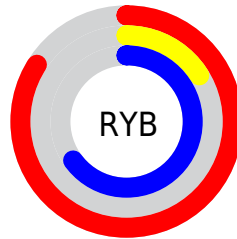
The XYZ color **35.1515, 18.5552, 37.8052** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **26.5534, 48.8028, 17.4742**, and the grayscale version is **13.9603, 14.6873, 15.9944**.

A 20% lighter version of the original color is **59.6537, 37.2056, 72.4439**, and **16.3637, 8.0849, 16.6177** is the 20% darker color. If you saturate the color by 10%, you get **34.0616, 17.2152, 34.8521**, and if you desaturate by 10%, it is **36.6681, 20.7089, 41.0214**.

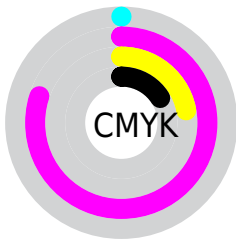
Distribution



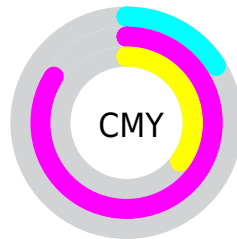
- Red (84%)
- Green (16%)
- Blue (65%)



- Red (84%)
- Yellow (16%)
- Blue (65%)



- Cyan (0%)
- Magenta (80%)
- Yellow (22%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1515, 18.5552, 37.8052 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 35.1515, 18.5552, 37.8052 by changing the saturation by 10% instead.

 35.1515, 18.5552,
37.8052


 35.1515, 18.5552,
37.8052


316.7329,
243.9821, 352.0567

 23.9467, 11.3493,
25.5309


 67.0529, 40.9811,
73.0096


 15.4186, 6.3023,
16.2504


 88.4801, 56.9700,
96.7767


 9.2019, 3.0298,
9.5452


 114.0456, 76.6552,
125.2118

 4.9313, 1.1473,
4.9969

 144.1145,
100.4214, 158.7335

 2.2413, 0.0180,
2.1867

 179.0524,
128.6527, 197.7603

 0.7644, 0.0000,
0.6667

219.2245,

 0.0000, 0.0000,

161.7337, 242.7108

0.0000

264.9962,
200.0487, 294.0034

■ 35.1515, 18.5552,
37.8052

■ 35.1515, 18.5552,
37.8052

■ 34.0616, 17.2152,
34.8521

■ 36.6681, 20.7089,
41.0214

■ 33.3113, 16.4944,
32.1979

■ 38.6656, 23.7850,
44.5200

■ 41.1919, 27.8786,
48.3186

■ 44.2885, 33.0721,
52.4326

■ 47.9925, 39.4395,
56.8757

■ 52.3381, 47.0483,
61.6608

■ 57.3565, 55.9609,
66.7998

■ 63.0772, 66.2354,
72.3038

■ 69.5276, 77.9264,
78.1834

Harmonies

Analogous

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



28.7853, 18.5552, 71.5488



35.1515, 18.5552, 37.8052



36.1518, 18.5552, 13.6771

Triad

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



35.1515, 18.5552, 37.8052



15.1793, 18.5552, 0.6572



8.7051, 18.5552, 60.7667

Complementary

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



35.1515, 18.5552, 37.8052



26.5534, 48.8028, 17.4742

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.



6.8521, 18.5552, 28.5324



35.1515, 18.5552, 37.8052



9.8170, 18.5552, 2.1754

Square

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



35.1515, 18.5552, 37.8052



23.0228, 18.5552, 0.8930



7.1907, 18.5552, 9.1419



13.1630, 18.5552, 90.1312

Rectangle

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



35.1515, 18.5552, 37.8052



33.4082, 18.5552, 5.6588



7.1907, 18.5552, 9.1419



7.8240, 18.5552, 49.2362

Sweetspot

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



35.1521, 18.5562, 37.8055



75.9461, 65.9381, 89.7505



16.8262, 8.5165, 63.7083



15.7584, 13.2440, 18.6594



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.



35.1521, 18.5562, 37.8055



50.3967, 25.0998, 49.6023



29.7887, 16.4108, 9.5620



12.8006, 12.5717, 14.8902



20.3929, 10.0935, 19.9051



1.2641, 0.6224, 1.3800

Inverse Universe

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



35.1521, 18.5562, 37.8055



50.3967, 25.0998, 49.6023



32.3026, 51.1025, 47.7488



12.8006, 12.5717, 14.8902



20.3929, 10.0935, 19.9051



1.2641, 0.6224, 1.3800

Previews

White Background



This preview shows how the XYZ color 35.1515, 18.5552, 37.8052 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 35.1515, 18.5552, 37.8052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

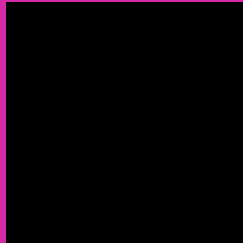
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.1515, 18.5552, 37.8052

Background



This preview shows how black text looks on a background with the XYZ color 35.1515, 18.5552, 37.8052.



This preview shows how white text looks on a background with the XYZ color 35.1515, 18.5552,

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

35.1515, 18.5552, 37.8052

Protanopia

21.8657, 19.1612, 73.0670

Deuteranopia

19.1613, 18.8019, 34.0717



Tritanopia

29.3137, 18.5839, 9.4392

Trichromacy



Original Color

35.1515, 18.5552, 37.8052



Protanomaly

21.9069, 15.4757, 58.3324



Deuteranomaly

22.3958, 16.2400, 35.2119



Tritanomaly

30.8864, 18.1483, 16.9140

Monochromacy



Original Color

35.1515, 18.5552, 37.8052



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

18.8436, 13.8560, 22.1034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1515, 18.5552, 37.8052 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, 42, 166)` looks like.

```
.text, #text, p{  
    color:rgb(213, 42, 166)  
}
```

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, 42, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 42, 166) }
```

Border

The CSS property to change the border of an element to XYZ 35.1515, 18.5552, 37.8052 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, 42, 166) }
```


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

```
.border{ border-color:rgb(213, 42, 166) }
```

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

Here you see how a box with a 4 pixel rgb(213, 42, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 42, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 42, 166);  
box-shadow:4px 4px 4px 4px rgb(213, 42,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1515, 18.5552, 37.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 42, 166) }
```

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

```
.background{ background-color: rgb(213, 42,  
166) }
```

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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