

Converting Colors

XYZ(35.0333, 19.2028, 30.8060)

Have a look what the booklet for
XYZ(35.0333, 19.2028, 30.8060)
contains.

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Color

**XYZ(35.0077, 19.1686,
30.7090)**

Conversions

Conversions Part 1

Format	Color
Hex	D83396
RGB	216, 51, 150
RGB Percent	85%, 20%, 59%
CMY	0.1529, 0.8000, 0.4118
CMYK	0.00, 0.76, 0.31, 0.15
HSL	324°, 68%, 52%
HSV	324°, 76%, 85%
XYZ	35.0077, 19.1686, 30.7090
YIQ	111.6210, 66.5610, 65.7690

Conversions

Conversions Part 2

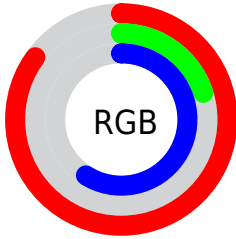
Format	Color
RYB	216, 51, 150
Decimal	14168982
CIELab	50.88, 70.12, -15.84
CIElCh	51, 71.883, 347.268
Yxy	19.1686, 0.4124, 0.2258
Android (android.graphics.Color)	4292359062 (0xFFD83396)
YUV	111.6210, 18.9208, 91.5404
Hunter-Lab	43.7820, 66.1087, -10.9391

Details

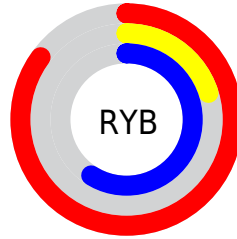
The XYZ color **35.0077, 19.1686, 30.7090** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **29.1332, 51.1004, 25.1610**, and the grayscale version is **15.2246, 16.0175, 17.4431**.

A 20% lighter version of the original color is **58.0442, 37.4299, 61.2922**, and **15.9624, 7.9688, 12.5012** is the 20% darker color. If you saturate the color by 10%, you get **33.6030, 17.4318, 26.9335**, and if you desaturate by 10%, it is **36.9029, 21.8039, 34.9014**.

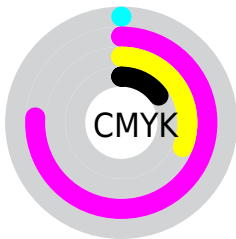
Distribution



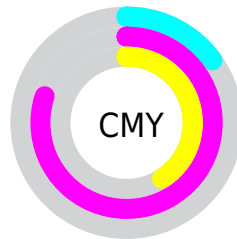
- Red (85%)
- Green (20%)
- Blue (59%)



- Red (85%)
- Yellow (20%)
- Blue (59%)



- Cyan (0%)
- Magenta (76%)
- Yellow (31%)
- Black (15%)



- Cyan (15%)
- Magenta (80%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0077, 19.1686, 30.7090 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 35.0077, 19.1686, 30.7090 by changing the saturation by 10% instead.


 35.0077, 19.1686,
30.7090


 35.0077, 19.1686,
30.7090


316.1097,
247.3780, 319.5050


 23.8353, 11.7922,
20.1208


 66.8316, 42.0188,
61.8558


 15.3356, 6.6023,
12.2979


 88.2139, 58.2614,
83.2515


 9.1431, 3.2147,
6.8219


 113.7303, 78.2281,
109.0867

 4.8925, 1.2448,
3.2742

 143.7460,
102.3034, 139.7800

 2.2184, 0.0979,
1.2363

 178.6264,
130.8716, 175.7500

 0.7524, 0.0000,
0.0087

218.7370,

 0.0000, 0.0000,

164.3172, 217.4151

0.0000

264.4429,
203.0245, 265.1939

■ 35.0077, 19.1686,
30.7090

■ 35.0077, 19.1686,
30.7090

■ 33.6030, 17.4318,
26.9335

■ 36.9029, 21.8039,
34.9014

■ 32.6179, 16.4542,
23.5456

■ 39.3416, 25.4425,
39.5332

■ 32.3210, 16.1998,
22.4000

■ 42.3714, 30.1779,
44.6256

■ 46.0340, 36.0919,
50.1974

■ 50.3674, 43.2586,
56.2661

■ 55.4061, 51.7459,
62.8479

■ 61.1824, 61.6168,
69.9582

■ 67.7266, 72.9302,
77.6114

■ 75.0670, 85.7416,
85.8215

Harmonies

Analogous

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



30.1752, 19.1686, 60.1386



35.0077, 19.1686, 30.7090



34.5779, 19.1686, 11.2969

Triad

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



35.0077, 19.1686, 30.7090



14.4657, 19.1686, 1.3838



10.4478, 19.1686, 64.6717

Complementary

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



35.0077, 19.1686, 30.7090



29.1332, 51.1004, 25.1610

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.



8.0578, 19.1686, 34.7336



35.0077, 19.1686, 30.7090



9.9301, 19.1686, 4.0096

Square

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



35.0077, 19.1686, 30.7090



21.3908, 19.1686, 1.2569



7.8968, 19.1686, 13.3971



15.3777, 19.1686, 86.7823

Rectangle

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



35.0077, 19.1686, 30.7090



31.3592, 19.1686, 5.0353



7.8968, 19.1686, 13.3971



9.3833, 19.1686, 54.5504

Sweetspot

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



35.0083, 19.1696, 30.7093



75.5590, 66.6979, 84.8923



20.9161, 11.1089, 66.0075



15.6299, 13.3674, 17.4439



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.



35.0083, 19.1696, 30.7093



47.9439, 24.3532, 35.9632



30.5317, 17.3790, 7.1361



12.7329, 12.5447, 14.5338



19.1854, 9.6105, 13.5461



1.1976, 0.5958, 1.0297

Inverse Universe

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



35.0083, 19.1696, 30.7093



47.9439, 24.3532, 35.9632



36.2888, 53.9626, 62.8416



12.7329, 12.5447, 14.5338



19.1854, 9.6105, 13.5461



1.1976, 0.5958, 1.0297

Previews

White Background



This preview shows how the XYZ color 35.0077, 19.1686, 30.7090 looks on a white background.

Color Contrast Check

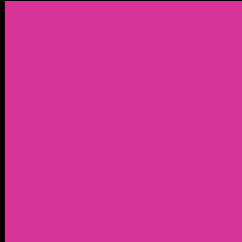
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0077, 19.1686, 30.7090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

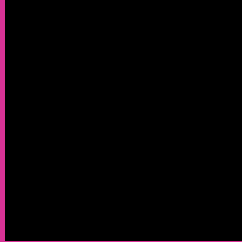
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.0077, 19.1686, 30.7090

Background



This preview shows how black text looks on a background with the XYZ color 35.0077, 19.1686, 30.7090.



This preview shows how white text looks on a background with the XYZ color 35.0077, 19.1686,

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

35.0077, 19.1686, 30.7090

Protanopia

21.1221, 19.4908, 56.6817

Deuteranopia

19.7167, 19.4018, 27.9050



Tritanopia

30.6879, 19.2965, 9.3149

Trichromacy



Original Color

35.0077, 19.1686, 30.7090



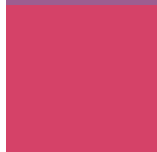
Protanomaly

22.4965, 16.5758, 45.7298



Deuteranomaly

22.9414, 17.1871, 28.4939



Tritanomaly

31.8875, 19.0420, 15.0915

Monochromacy



Original Color

35.0077, 19.1686, 30.7090



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.9997, 15.3027, 21.6383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0077, 19.1686, 30.7090 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(216, 51, 150)` looks like.

```
.text, #text, p{  
    color:rgb(216, 51, 150)  
}
```

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(216, 51, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 51, 150) }
```

Border

The CSS property to change the border of an element to XYZ 35.0077, 19.1686, 30.7090 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(216, 51, 150) }
```


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

```
.border{ border-color:rgb(216, 51, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 51, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 51, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 51, 150);  
box-shadow:4px 4px 4px 4px rgb(216, 51,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0077, 19.1686, 30.7090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 51, 150) }
```

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

```
.background{ background-color: rgb(216, 51,  
150) }
```

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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