

Converting Colors

XYZ(34.3803, 18.1996, 30.7717)

Have a look what the booklet for
XYZ(34.3803, 18.1996, 30.7717)
contains.

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Color

**XYZ(34.3690, 18.1990,
30.9795)**

Conversions

Conversions Part 1

Format	Color
Hex	D72897
RGB	215, 40, 151
RGB Percent	84%, 16%, 59%
CMY	0.1569, 0.8431, 0.4078
CMYK	0.00, 0.81, 0.30, 0.16
HSL	322°, 69%, 50%
HSV	322°, 81%, 84%
XYZ	34.3690, 18.1990, 30.9795
YIQ	104.9790, 68.6690, 71.6210

Conversions

Conversions Part 2

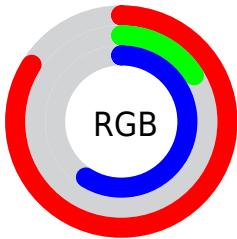
Format	Color
R _Y B	215, 40, 151
Decimal	14100631
CIE Lab	49.74, 72.87, -18.20
CIE LCh	50, 75.108, 345.973
Yxy	18.1990, 0.4114, 0.2178
Android (android.graphics.Color)	4292290711 (0xFFD72897)
YUV	104.9790, 22.6884, 96.4884
Hunter-Lab	42.6603, 69.1519, -13.1936

Details

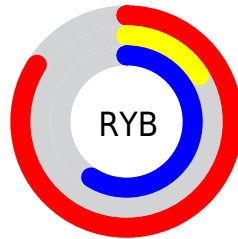
The XYZ color **34.3690, 18.1990, 30.9795** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **27.6754, 50.0521, 21.3027**, and the grayscale version is **13.3509, 14.0462, 15.2963**.

A 20% lighter version of the original color is **57.4135, 35.9758, 61.6756**, and **15.8178, 7.8887, 12.7456** is the 20% darker color. If you saturate the color by 10%, you get **33.2174, 16.8839, 27.5492**, and if you desaturate by 10%, it is **35.9669, 20.3382, 34.7690**.

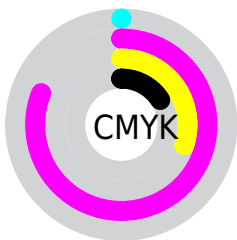
Distribution



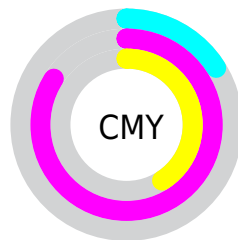
- Red (84%)
- Green (16%)
- Blue (59%)



- Red (84%)
- Yellow (16%)
- Blue (59%)



- Cyan (0%)
- Magenta (81%)
- Yellow (30%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3690, 18.1990, 30.9795 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 34.3690, 18.1990, 30.9795 by changing the saturation by 10% instead.

 34.3690, 18.1990,
30.9795


 34.3690, 18.1990,
30.9795


313.3313,
241.9903, 320.7921

 23.3414, 11.0930,
20.3249


 65.8476, 40.3761,
62.2870


 14.9679, 6.1294,
12.4450


 87.0293, 56.2160,
83.7770


 8.8830, 2.9239,
6.9213


 112.3265, 75.7359,
109.7158

 4.7215, 1.0921,
3.3352

 142.1044, 99.3203,
140.5221

 2.1178, 0.0000,
1.2683

 176.7285,
127.3535, 176.6143

 0.6989, 0.0000,
0.0356

216.5642,

 0.0000, 0.0000,

160.2200, 218.4110

0.0000

261.9766,
198.3042, 266.3308

■ 34.3690, 18.1990,
30.9795

■ 34.3690, 18.1990,
30.9795

■ 33.2174, 16.8839,
27.5492

■ 35.9669, 20.3382,
34.7690

■ 32.4943, 16.2351,
24.8501

■ 38.0685, 23.4157,
38.9404

■ 40.7243, 27.5306,
43.5145

■ 43.9775, 32.7686,
48.5096

■ 47.8672, 39.2063,
53.9421

■ 52.4289, 46.9138,
59.8276

■ 57.6953, 55.9554,
66.1805

■ 63.6972, 66.3914,
73.0143

■ 70.4632, 78.2780,
80.3420

Harmonies

Analogous

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



29.1927, 18.1990, 61.7398



34.3690, 18.1990, 30.9795



34.1782, 18.1990, 10.8315

Triad

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



34.3690, 18.1990, 30.9795



13.7817, 18.1990, 0.9470



9.3907, 18.1990, 63.7807

Complementary

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



34.3690, 18.1990, 30.9795



27.6754, 50.0521, 21.3027

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.



7.1571, 18.1990, 32.7537



34.3690, 18.1990, 30.9795



9.1725, 18.1990, 3.1106

Square

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



34.3690, 18.1990, 30.9795



20.8503, 18.1990, 0.9008



7.0902, 18.1990, 11.7189



14.1733, 18.1990, 87.8737

Rectangle

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



34.3690, 18.1990, 30.9795



30.9885, 18.1990, 4.5141



7.0902, 18.1990, 11.7189



8.3828, 18.1990, 53.1328

Sweetspot

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



34.3696, 18.2000, 30.9798



75.1406, 65.6159, 85.5088



18.4209, 9.2065, 65.0962



15.5636, 13.1661, 17.6337



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.



34.3696, 18.2000, 30.9798



47.9602, 24.0367, 37.0452



29.7747, 16.3620, 6.7837



12.7514, 12.5520, 14.6309



19.4881, 9.7315, 15.1401



1.2146, 0.6026, 1.1195

Inverse Universe

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



34.3696, 18.2000, 30.9798



47.9602, 24.0367, 37.0452



34.3345, 52.7157, 56.3687



12.7514, 12.5520, 14.6309



19.4881, 9.7315, 15.1401



1.2146, 0.6026, 1.1195

Previews

White Background



This preview shows how the XYZ color 34.3690, 18.1990, 30.9795 looks on a white background.

Color Contrast Check

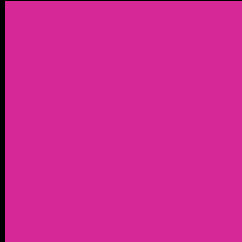
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3690, 18.1990, 30.9795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

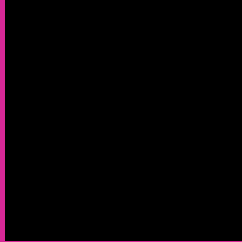
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3690, 18.1990, 30.9795

Background



This preview shows how black text looks on a background with the XYZ color 34.3690, 18.1990, 30.9795.



This preview shows how white text looks on a background with the XYZ color 34.3690, 18.1990,

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

34.3690, 18.1990, 30.9795

Protanopia

20.6942, 18.6525, 60.9021

Deuteranopia

18.7356, 18.3657, 28.1486



Tritanopia

29.5313, 18.1574, 8.0792

Trichromacy



Original Color

34.3690, 18.1990, 30.9795

Protanomaly

21.4059, 15.1917, 48.2585

Deuteranomaly

21.9270, 15.8938, 28.7002

Tritanomaly

30.7260, 17.8146, 14.1310

Monochromacy



Original Color

34.3690, 18.1990, 30.9795

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.1323, 13.3097, 20.0257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3690, 18.1990, 30.9795 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(215, 40, 151)` looks like.

```
.text, #text, p{  
    color:rgb(215, 40, 151)  
}
```

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(215, 40, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 40, 151) }
```

Border

The CSS property to change the border of an element to XYZ 34.3690, 18.1990, 30.9795 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(215, 40, 151) }
```


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

```
.border{ border-color:rgb(215, 40, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 40, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 40, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 40, 151);  
box-shadow:4px 4px 4px 4px rgb(215, 40,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3690, 18.1990, 30.9795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 40, 151) }
```

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

```
.background{ background-color: rgb(215, 40,  
151) }
```

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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