

Converting Colors

XYZ(31.4717, 15.8857, 16.7685)

Have a look what the booklet for
XYZ(31.4717, 15.8857, 16.7685)
contains.

XYZ(31.5399, 15.9216, 16.7401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.5399, 15.9216,
16.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	D90070
RGB	217, 0, 112
RGB Percent	85%, 0%, 44%
CMY	0.1490, 0.9998, 0.5608
CMYK	0.00, 1.00, 0.48, 0.15
HSL	329°, 100%, 43%
HSV	329°, 100%, 85%
XYZ	31.5399, 15.9216, 16.7401
YIQ	77.6510, 93.3800, 80.8360

Conversions

Conversions Part 2

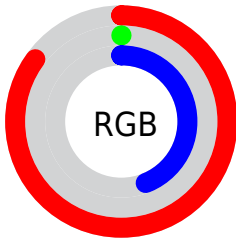
Format	Color
R_{YB}	217, 0, 112
Decimal	14221424
CIE Lab	46.87, 75.16, 1.26
CIE LCh	47, 75.173, 0.958
Yxy	15.9216, 0.4913, 0.2480
Android (android.graphics.Color)	4292411504 (0xFFD90070)
YUV	77.6510, 16.9341, 122.2091
Hunter-Lab	39.9019, 71.2646, 3.0573

Details

The XYZ color **31.5399, 15.9216, 16.7401** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.3656, 50.6467, 21.7107**, and the grayscale version is **7.1376, 7.5093, 8.1776**.

A 20% lighter version of the original color is **51.5919, 31.3865, 37.9893**, and **14.4717, 7.3502, 5.6570** is the 20% darker color. If you saturate the color by 10%, you get **31.5385, 15.9210, 16.7334**, and if you desaturate by 10%, it is **32.4413, 16.7335, 20.0961**.

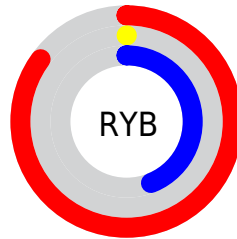
Distribution



Red (85%)

Green (0%)

Blue (44%)



Red (85%)

Yellow (0%)

Blue (44%)

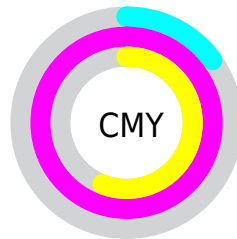


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5399, 15.9216, 16.7401 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 31.5399, 15.9216, 16.7401 by changing the saturation by 10% instead.

 31.5399, 15.9216,
16.7401


 31.5399, 15.9216,
16.7401

300.8006,
228.8787, 245.6632


 21.1642, 9.4687,
9.8894

 61.4592, 36.4620,
38.6629


 13.3572, 5.0481,
5.2210


 81.7334, 51.3184,
54.5720


 7.7537, 2.2755,
2.3165


 106.0379, 69.7446,
74.3377

 3.9882, 0.7607,
0.7405

 134.7379, 92.1252,
98.3785

 1.6955, 0.0000,
0.0000

 168.1988,
118.8445, 127.1129

 0.4534, 0.0000,
0.0000

 206.7860,

 0.0000, 0.0000,

150.2869, 160.9594

0.0000

250.8648,
186.8368, 200.3367

■ 31.5399, 15.9216,
16.7401

■ 31.5399, 15.9216,
16.7401

■ 31.5385, 15.9210,
16.7334

■ 32.4413, 16.7335,
20.0961

■ 33.7294, 18.2057,
23.9284

■ 35.5104, 20.5478,
28.2830

■ 37.8445, 23.8768,
33.1899

■ 40.7828, 28.2915,
38.6759

■ 44.3699, 33.8785,
44.7652

■ 48.6464, 40.7156,
51.4800

■ 53.6490, 48.8740,
58.8414

■ 59.4121, 58.4192,
66.8692

Harmonies

Analogous

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



29.0288, 15.9216, 41.4006



31.5399, 15.9216, 16.7401



28.7051, 15.9216, 4.6145

Triad

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



31.5399, 15.9216, 16.7401



9.5353, 15.9216, 1.1542



9.8058, 15.9216, 71.8483

Complementary

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



31.5399, 15.9216, 16.7401



27.3656, 50.6467, 21.7107

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.



6.6988, 15.9216, 43.2941



31.5399, 15.9216, 16.7401



6.5773, 15.9216, 5.0601

Square

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



31.5399, 15.9216, 16.7401



14.9235, 15.9216, 0.3950



5.7108, 15.9216, 17.9457



15.3445, 15.9216, 84.1815

Rectangle

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



31.5399, 15.9216, 16.7401



24.5323, 15.9216, 1.7027



5.7108, 15.9216, 17.9457



8.5058, 15.9216, 63.1448

Sweetspot

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



31.5403, 15.9225, 16.7403



69.9118, 58.3608, 73.8932



18.3397, 8.0084, 66.2246



14.3788, 11.5508, 14.9134



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.



31.5403, 15.9225, 16.7403



45.3766, 22.9146, 23.7131



28.6357, 14.7607, 1.4450



13.3352, 13.1632, 15.0262



19.1455, 9.6592, 10.4123



1.2838, 0.6432, 0.9036

Inverse Universe

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



31.5403, 15.9225, 16.7403



45.3766, 22.9146, 23.7131



36.8724, 54.4494, 71.7729



13.3352, 13.1632, 15.0262



19.1455, 9.6592, 10.4123



1.2838, 0.6432, 0.9036

Previews

White Background



This preview shows how the XYZ color 31.5399, 15.9216, 16.7401 looks on a white background.

Color Contrast Check

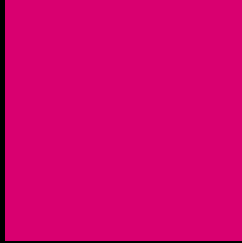
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5399, 15.9216, 16.7401 looks on a black 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

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

XYZ 31.5399, 15.9216, 16.7401

Background



This preview shows how black text looks on a background with the XYZ color 31.5399, 15.9216, 16.7401.



This preview shows how white text looks on a background with the XYZ color 31.5399, 15.9216,

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

31.5399, 15.9216, 16.7401

Protanopia

17.2455, 16.7384, 36.5043

Deuteranopia

16.8189, 16.5057, 15.1314



Tritanopia

29.1059, 16.2870, 4.0923

Trichromacy



Original Color

31.5399, 15.9216, 16.7401



Protanomaly

18.2718, 12.1828, 27.7740



Deuteranomaly

19.2268, 12.7704, 15.0872



Tritanomaly

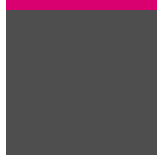
29.5138, 15.7073, 7.1065

Monochromacy



Original Color

31.5399, 15.9216, 16.7401



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.0393, 7.6865, 10.5220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5399, 15.9216, 16.7401 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(217, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 112)  
}
```

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(217, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 31.5399, 15.9216, 16.7401 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(217, 0, 112) }
```


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

```
.border{ border-color:rgb(217, 0, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5399, 15.9216, 16.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 112) }
```

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

```
.background{ background-color: rgb(217, 0,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor