

Converting Colors

XYZ(30.6667, 16.7758, 39.6960)

Have a look what the booklet for
XYZ(30.6667, 16.7758, 39.6960)
contains.

XYZ(30.7318, 16.8276, 39.6585)	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(30.7318, 16.8276,
39.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	C234AA
RGB	194, 52, 170
RGB Percent	76%, 20%, 67%
CMY	0.2392, 0.7960, 0.3333
CMYK	0.00, 0.73, 0.12, 0.24
HSL	310°, 58%, 48%
HSV	310°, 73%, 76%
XYZ	30.7318, 16.8276, 39.6585
YIQ	107.9100, 46.7540, 66.8020

Conversions

Conversions Part 2

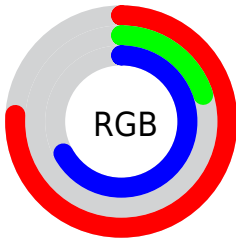
Format	Color
R_{YB}	194, 52, 170
Decimal	12727466
CIE _{Lab}	48.04, 67.13, -32.41
CIE _{LCh}	48, 74.550, 334.228
Yxy	16.8276, 0.3524, 0.1929
Android (android.graphics.Color)	4290917546 (0xFFC234AA)
YUV	107.9100, 30.6104, 75.5009
Hunter-Lab	41.0215, 61.9382, -28.6050

Details

The XYZ color **30.7318, 16.8276, 39.6585** 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 **22.0133, 39.8361, 13.3679**, and the grayscale version is **14.1376, 14.8739, 16.1977**.

A 20% lighter version of the original color is **60.3947, 38.1502, 76.1321**, and **13.3642, 6.5186, 17.3835** is the 20% darker color. If you saturate the color by 10%, you get **29.7306, 15.3152, 37.8134**, and if you desaturate by 10%, it is **32.0975, 19.0560, 41.6635**.

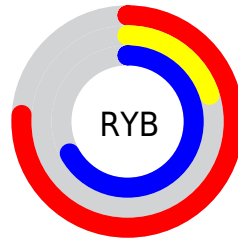
Distribution



Red (76%)

Green (20%)

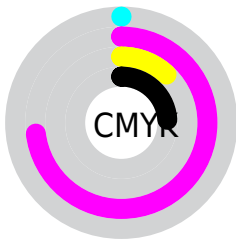
Blue (67%)



Red (76%)

Yellow (20%)

Blue (67%)

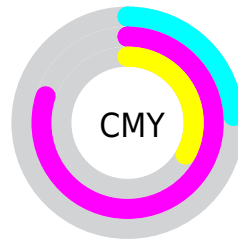


Cyan (0%)

Magenta (73%)

Yellow (12%)

Black (24%)



Cyan (24%)


Magenta (80%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7318, 16.8276, 39.6585 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 30.7318, 16.8276, 39.6585 by changing the saturation by 10% instead.

 30.7318, 16.8276,
39.6585


 30.7318, 16.8276,
39.6585


297.1498,
234.1769, 360.1913


 20.5455, 10.1117,
26.9606


 60.1963, 38.0291,
75.8746

 12.9028, 5.4730,
17.3115


 80.2052, 53.2835,
100.2299


 7.4382, 2.5274,
10.2925


 104.2191, 72.1528,
129.3081

 3.7864, 0.8903,
5.4852

 132.6032, 95.0214,
163.5277

 1.5820, 0.0000,
2.4710

 165.7230,
122.2737, 203.3073

 0.3806, 0.0000,
0.8247

203.9438,

 0.0000, 0.0000,

154.2941, 249.0654

0.0000

247.6310,
191.4671, 301.2206

■ 30.7318, 16.8276,
39.6585

■ 30.7318, 16.8276,
39.6585

■ 29.7306, 15.3152,
37.8134

■ 32.0975, 19.0560,
41.6635

■ 29.0455, 14.4228,
36.1114

■ 33.8649, 22.0756,
43.8408

■ 28.6998, 14.0500,
35.0145

■ 36.0684, 25.9550,
46.2021

■ 38.7383, 30.7545,
48.7580

■ 41.9022, 36.5290,
51.5176

■ 45.5852, 43.3293,
54.4899

■ 49.8112, 51.2023,
57.6829

■ 54.6021, 60.1924,
61.1043

■ 59.9789, 70.3412,
64.7612

Harmonies

Analogous

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



24.4465, 16.8276, 69.3230



30.7318, 16.8276, 39.6585



32.7104, 16.8276, 15.7201

Triad

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



30.7318, 16.8276, 39.6585



15.0576, 16.8276, 0.5931



7.4943, 16.8276, 48.1291

Complementary

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



30.7318, 16.8276, 39.6585



22.0133, 39.8361, 13.3679

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.



6.2391, 16.8276, 21.1971



30.7318, 16.8276, 39.6585



9.7563, 16.8276, 1.5797

Square

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



30.7318, 16.8276, 39.6585



22.3158, 16.8276, 1.1036



6.9326, 16.8276, 6.4598



10.9956, 16.8276, 76.1814

Rectangle

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



30.7318, 16.8276, 39.6585



30.9604, 16.8276, 6.9226



6.9326, 16.8276, 6.4598



6.8485, 16.8276, 38.1616

Sweetspot

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



30.7324, 16.8284, 39.6588



76.4412, 67.1465, 93.7752



13.9207, 7.8749, 51.8256



16.3674, 14.0209, 20.2225



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.



30.7324, 16.8284, 39.6588



53.0327, 26.6242, 66.5665



25.7450, 14.8335, 13.3958



10.4218, 10.2173, 12.3119



18.8955, 9.2480, 23.1596



0.8362, 0.4075, 1.1050

Inverse Universe

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



30.7324, 16.8284, 39.6588



53.0327, 26.6242, 66.5665



25.9491, 41.4104, 34.0935



10.4218, 10.2173, 12.3119



18.8955, 9.2480, 23.1596



0.8362, 0.4075, 1.1050

Previews

White Background



This preview shows how the XYZ color 30.7318, 16.8276, 39.6585 looks on a white background.

Color Contrast Check

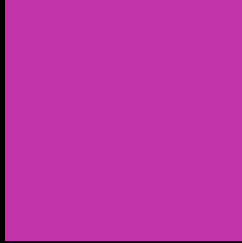
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7318, 16.8276, 39.6585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

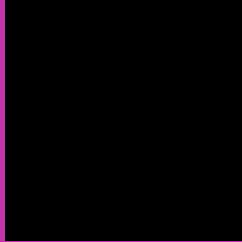
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7318, 16.8276, 39.6585

Background



This preview shows how black text looks on a background with the XYZ color 30.7318, 16.8276, 39.6585.



This preview shows how white text looks on a background with the XYZ color 30.7318, 16.8276,

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

30.7318, 16.8276, 39.6585

Protanopia

20.1008, 17.2931, 70.6851

Deuteranopia

17.3752, 16.9801, 36.0799



Tritanopia

24.7581, 16.8323, 10.5384

Trichromacy



Original Color

30.7318, 16.8276, 39.6585



Protanomaly

19.9104, 14.4602, 57.6188



Deuteranomaly

20.1148, 15.1491, 36.9859



Tritanomaly

26.3288, 16.4601, 18.3124

Monochromacy



Original Color

30.7318, 16.8276, 39.6585



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

18.2339, 14.1071, 23.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7318, 16.8276, 39.6585 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(194, 52, 170)` looks like.

```
.text, #text, p{  
    color:rgb(194, 52, 170)  
}
```

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(194, 52, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 52, 170) }
```

Border

The CSS property to change the border of an element to XYZ 30.7318, 16.8276, 39.6585 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(194, 52, 170) }
```


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

```
.border{ border-color:rgb(194, 52, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 52, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 52, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 52, 170);  
box-shadow:4px 4px 4px 4px rgb(194, 52,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7318, 16.8276, 39.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 52, 170) }
```

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

```
.background{ background-color: rgb(194, 52,  
170) }
```

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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