

Converting Colors

XYZ(33.2397, 10.9584, 30.6844)

Have a look what the booklet for
XYZ(33.2397, 10.9584, 30.6844)
contains.

XYZ(36.8011, 18.3075, 31.7310)	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(36.8011, 18.3075,
31.7310)**

Conversions

Conversions Part 1

Format	Color
Hex	E10099
RGB	225, 0, 153
RGB Percent	88%, 0%, 60%
CMY	0.1176, 0.9998, 0.4000
CMYK	0.00, 1.00, 0.32, 0.12
HSL	319°, 100%, 44%
HSV	319°, 100%, 88%
XYZ	36.8011, 18.3075, 31.7310
YIQ	84.7170, 84.9870, 95.2830

Conversions

Conversions Part 2

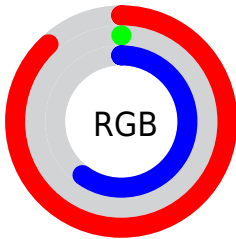
Format	Color
R_{YB}	225, 0, 153
Decimal	14745753
CIE Lab	49.87, 80.52, -19.03
CIE LCh	50, 82.737, 346.699
Yxy	18.3075, 0.4238, 0.2108
Android (android.graphics.Color)	4292935833 (0xFFE10099)
YUV	84.7170, 33.6635, 123.0282
Hunter-Lab	42.7873, 78.6492, -14.0183

Details

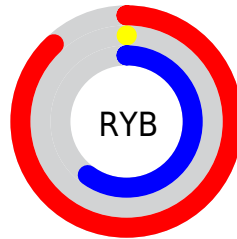
The XYZ color **36.8011, 18.3075, 31.7310** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **28.0971, 54.3193, 15.1429**, and the grayscale version is **8.5008, 8.9436, 9.7395**.

A 20% lighter version of the original color is **56.5052, 33.7704, 62.5717**, and **17.7081, 8.8518, 13.3456** is the 20% darker color. If you saturate the color by 10%, you get **36.7999, 18.3070, 31.7244**, and if you desaturate by 10%, it is **37.7117, 19.1477, 35.0585**.

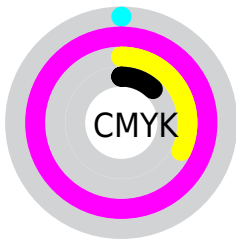
Distribution



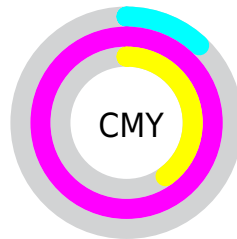
- Red (88%)
- Green (0%)
- Blue (60%)



- Red (88%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8011, 18.3075, 31.7310 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 36.8011, 18.3075, 31.7310 by changing the saturation by 10% instead.

 36.8011, 18.3075,
31.7310


 36.8011, 18.3075,
31.7310


323.8191,
242.5986, 324.3469


 25.2265, 11.1710,
20.8930


 69.5826, 40.5606,
63.4821


 16.3755, 6.1820,
12.8553


 91.5202, 56.4460,
85.2324


 9.8828, 2.9560,
7.1994


 117.6428, 76.0164,
111.4571

 5.3830, 1.1088,
3.5068

 148.3159, 99.6563,
142.5748

 2.5107, 0.0000,
1.3589

 183.9047,
127.7501, 179.0041

 0.9007, 0.0000,
0.1093

 224.7746,

 0.0000, 0.0000,

160.6822, 221.1636

0.0000

271.2909,
198.8369, 269.4717

■ 36.8011, 18.3075,
31.7310

■ 36.8011, 18.3075,
31.7310

■ 36.7999, 18.3070,
31.7244

■ 37.7117, 19.1477,
35.0585

■ 39.0040, 20.6930,
38.6934

■ 40.7903, 23.1670,
42.6760

■ 43.1351, 26.6974,
47.0307

■ 46.0924, 31.3917,
51.7784

■ 49.7097, 37.3440,
56.9377

■ 54.0298, 44.6388,
62.5254

■ 59.0917, 53.3532,
68.5573

■ 64.9313, 63.5585,
75.0479

Harmonies

Analogous

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



30.9862, 18.3075, 67.2308



36.8011, 18.3075, 31.7310



36.4177, 18.3075, 9.8524

Triad

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



36.8011, 18.3075, 31.7310



13.3852, 18.3075, 0.4705



8.9137, 18.3075, 71.4244

Complementary

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



36.8011, 18.3075, 31.7310



28.0971, 54.3193, 15.1429

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.



6.5183, 18.3075, 35.2570



36.8011, 18.3075, 31.7310



8.5115, 18.3075, 2.4968

Square

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



36.8011, 18.3075, 31.7310



21.1405, 18.3075, 0.3817



6.3977, 18.3075, 11.4966



14.1303, 18.3075, 99.5000

Rectangle

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



36.8011, 18.3075, 31.7310



32.6701, 18.3075, 3.5878



6.3977, 18.3075, 11.4966



7.8314, 18.3075, 58.9527

Sweetspot

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



36.8017, 18.3085, 31.7313



71.6154, 59.0423, 82.8643



16.2105, 6.7876, 71.6900



14.7842, 11.7129, 17.0480



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.



36.8017, 18.3085, 31.7313



48.8199, 24.2920, 41.8453



31.4572, 16.1707, 3.5877



14.0986, 13.8571, 16.2894



21.2612, 10.5715, 18.5730



1.5140, 0.7489, 1.4994

Inverse Universe

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



36.8017, 18.3085, 31.7313



48.8199, 24.2920, 41.8453



35.5523, 57.3014, 54.4015



14.0986, 13.8571, 16.2894



21.2612, 10.5715, 18.5730



1.5140, 0.7489, 1.4994

Previews

White Background



This preview shows how the XYZ color 36.8011, 18.3075, 31.7310 looks on a white background.

Color Contrast Check

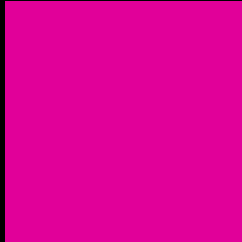
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8011, 18.3075, 31.7310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

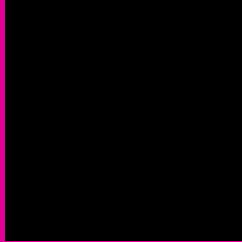
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8011, 18.3075, 31.7310

Background



This preview shows how black text looks on a background with the XYZ color 36.8011, 18.3075, 31.7310.



This preview shows how white text looks on a background with the XYZ color 36.8011, 18.3075,

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

36.8011, 18.3075, 31.7310

Protanopia

21.6147, 19.1241, 68.8818

Deuteranopia

19.3215, 19.0050, 28.6366



Tritanopia

31.7265, 18.6507, 6.6304

Trichromacy



Original Color

36.8011, 18.3075, 31.7310



Protanomaly

20.9388, 13.3046, 52.5034



Deuteranomaly

22.0806, 14.5097, 29.2406



Tritanomaly

32.6232, 17.6029, 12.7446

Monochromacy



Original Color

36.8011, 18.3075, 31.7310



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2870, 8.9984, 15.7357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8011, 18.3075, 31.7310 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(225, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 153)  
}
```

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(225, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 36.8011, 18.3075, 31.7310 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(225, 0, 153) }
```


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

```
.border{ border-color:rgb(225, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8011, 18.3075, 31.7310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 153) }
```

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

```
.background{ background-color: rgb(225, 0,  
153) }
```

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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