

Converting Colors

XYZ(29.3271, 13.4039, 10.5168)

Have a look what the booklet for
XYZ(29.3271, 13.4039, 10.5168)
contains.

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Color

**XYZ(30.4184, 15.4730,
10.8345)**

Conversions

Conversions Part 1

Format	Color
Hex	D90059
RGB	217, 0, 89
RGB Percent	85%, 0%, 35%
CMY	0.1490, 0.9998, 0.6510
CMYK	0.00, 1.00, 0.59, 0.15
HSL	335°, 100%, 43%
HSV	335°, 100%, 85%
XYZ	30.4184, 15.4730, 10.8345
YIQ	75.0290, 100.7630, 73.6830

Conversions

Conversions Part 2

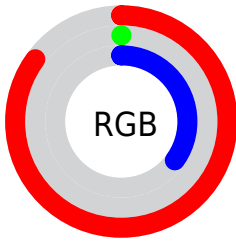
Format	Color
R_{YB}	217, 0, 89
Decimal	14221401
CIE Lab	46.28, 73.58, 14.69
CIE LCh	46, 75.032, 11.293
Yxy	15.4730, 0.5362, 0.2728
Android (android.graphics.Color)	4292411481 (0xFFD90059)
YUV	75.0290, 6.8877, 124.5086
Hunter-Lab	39.3357, 69.1969, 11.2044

Details

The XYZ color **30.4184, 15.4730, 10.8345** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **28.7128, 51.1855, 28.8053**, and the grayscale version is **6.6731, 7.0206, 7.6455**.

A 20% lighter version of the original color is **49.5564, 30.4364, 27.6890**, and **13.7810, 7.0519, 3.0177** is the 20% darker color. If you saturate the color by 10%, you get **30.4170, 15.4724, 10.8281**, and if you desaturate by 10%, it is **31.2857, 16.2713, 14.0109**.

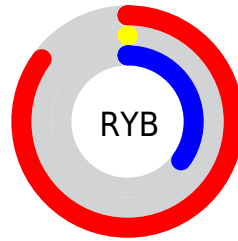
Distribution



Red (85%)

Green (0%)

Blue (35%)



Red (85%)

Yellow (0%)

Blue (35%)

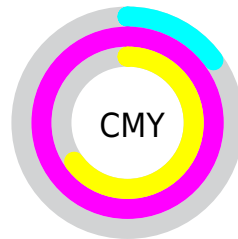


Cyan (0%)

Magenta (100%)

Yellow (59%)

Black (15%)



Cyan (15%)


Magenta (100%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4184, 15.4730, 10.8345 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 30.4184, 15.4730, 10.8345 by changing the saturation by 10% instead.

 30.4184, 15.4730,
10.8345


 30.4184, 15.4730,
10.8345


295.7248,
226.2116, 207.2251


 20.3060, 9.1520,
5.8429


 59.7053, 35.6809,
27.9857


 12.7272, 4.8405,
2.6825


 79.6106, 50.3365,
40.9823


 7.3167, 2.1540,
0.9346


 103.5109, 68.5392,
57.4844

 3.7090, 0.6947,
0.0000

 131.7715, 90.6733,
77.9104

 1.5389, 0.0000,
0.0000

 164.7579,
117.1232, 102.6790

 0.3521, 0.0000,
0.0000

 202.8353,

 0.0000, 0.0000,

148.2732, 132.2086

0.0000

246.3692,
184.5079, 166.9178

■ 30.4184, 15.4730,
10.8345

■ 30.4184, 15.4730,
10.8345

■ 30.4170, 15.4724,
10.8281

■ 31.2857, 16.2713,
14.0109

■ 32.5672, 17.7410,
17.8088

■ 34.3714, 20.0923,
22.2852

■ 36.7603, 23.4433,
27.4803

■ 39.7867, 27.8933,
33.4301

■ 43.4970, 33.5296,
40.1678

■ 47.9333, 40.4308,
47.7241

■ 53.1339, 48.6684,
56.1280

■ 59.1346, 58.3088,
65.4067

Harmonies

Analogous

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



29.7532, 15.4730, 30.9045



30.4184, 15.4730, 10.8345



26.0550, 15.4730, 2.6360

Triad

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



30.4184, 15.4730, 10.8345



7.9772, 15.4730, 1.8050



11.0951, 15.4730, 77.3290

Complementary

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



30.4184, 15.4730, 10.8345



28.7128, 51.1855, 28.8053

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.



7.2504, 15.4730, 52.5553



30.4184, 15.4730, 10.8345



5.8453, 15.4730, 7.8686

Square

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



30.4184, 15.4730, 10.8345



12.4215, 15.4730, 0.4338



5.6250, 15.4730, 24.7533



17.2562, 15.4730, 80.6403

Rectangle

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



30.4184, 15.4730, 10.8345



21.4614, 15.4730, 0.9771



5.6250, 15.4730, 24.7533



9.5426, 15.4730, 70.6918

Sweetspot

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



30.4188, 15.4740, 10.8347



68.8762, 57.9466, 68.4395



21.2183, 9.4924, 66.3591



14.1349, 11.4532, 13.6290



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.



30.4188, 15.4740, 10.8347



43.7668, 22.2707, 15.2359



28.8337, 15.1885, 1.4134



13.2763, 13.1396, 14.7160



18.4626, 9.3861, 6.8158



1.2382, 0.6249, 0.6634

Inverse Universe

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



30.4188, 15.4740, 10.8347



43.7668, 22.2707, 15.2359



32.9300, 45.8202, 72.7538



13.2763, 13.1396, 14.7160



18.4626, 9.3861, 6.8158



1.2382, 0.6249, 0.6634

Previews

White Background



This preview shows how the XYZ color 30.4184, 15.4730, 10.8345 looks on a white background.

Color Contrast Check

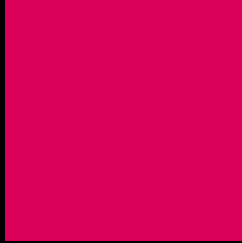
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4184, 15.4730, 10.8345 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 30.4184, 15.4730, 10.8345

Background



This preview shows how black text looks on a background with the XYZ color 30.4184, 15.4730, 10.8345.



This preview shows how white text looks on a background with the XYZ color 30.4184, 15.4730,

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

30.4184, 15.4730, 10.8345

Protanopia

15.8980, 16.1687, 23.4021

Deuteranopia

16.3785, 16.0811, 9.8301



Tritanopia

28.9439, 15.8243, 3.0423

Trichromacy



Original Color

30.4184, 15.4730, 10.8345



Protanomaly

17.5605, 12.0402, 17.6181



Deuteranomaly

18.9383, 12.6513, 9.6274



Tritanomaly

29.2912, 15.4781, 4.9338

Monochromacy



Original Color

30.4184, 15.4730, 10.8345



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.2573, 7.2051, 8.3868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4184, 15.4730, 10.8345 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 30.4184, 15.4730, 10.8345 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, 89) }
```


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

```
.border{ border-color:rgb(217, 0, 89) }
```

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, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.4184, 15.4730, 10.8345 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, 89) }
```

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

```
.background{ background-color: rgb(217, 0,  
89) }
```

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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