

Converting Colors

XYZ(36.4423, 18.4231, 18.1329)

Have a look what the booklet for
XYZ(36.4423, 18.4231, 18.1329)
contains.

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Color

**XYZ(36.4311, 18.4168,
18.1577)**

Conversions

Conversions Part 1

Format	Color
Hex	E80074
RGB	232, 0, 116
RGB Percent	91%, 0%, 45%
CMY	0.0902, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.50, 0.09
HSL	330°, 100%, 46%
HSV	330°, 100%, 91%
XYZ	36.4311, 18.4168, 18.1577
YIQ	82.5920, 101.0360, 85.2600

Conversions

Conversions Part 2

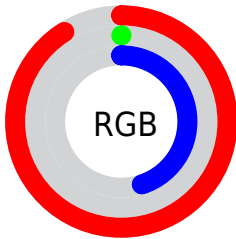
Format	Color
R_{YB}	232, 0, 116
Decimal	15204468
CIE _{Lab}	50.00, 78.73, 3.70
CIE _{LCh}	50, 78.816, 2.693
Yxy	18.4168, 0.4990, 0.2523
Android (android.graphics.Color)	4293394548 (0xFFE80074)
YUV	82.5920, 16.4701, 131.0308
Hunter-Lab	42.9148, 76.4308, 4.9541

Details

The XYZ color **36.4311, 18.4168, 18.1577** 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 **32.0128, 58.9756, 26.2359**, and the grayscale version is **8.0989, 8.5207, 9.2790**.

A 20% lighter version of the original color is **52.3106, 32.0926, 40.4832**, and **17.4056, 8.8524, 6.2601** is the 20% darker color. If you saturate the color by 10%, you get **36.4294, 18.4161, 18.1493**, and if you desaturate by 10%, it is **37.4603, 19.3268, 22.0414**.

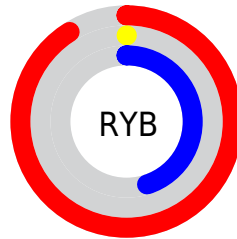
Distribution



Red (91%)

Green (0%)

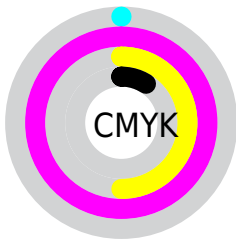
Blue (45%)



Red (91%)

Yellow (0%)

Blue (45%)

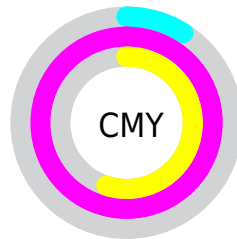


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4311, 18.4168, 18.1577 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 36.4311, 18.4168, 18.1577 by changing the saturation by 10% instead.


 36.4311, 18.4168,
18.1577


 36.4311, 18.4168,
18.1577


322.2394,
243.2100, 254.0243


 24.9390, 11.2496,
10.8927


 69.0165, 40.7463,
41.1234

 16.1601, 6.2350,
5.8814


 90.8404, 56.6774,
57.6612


 9.7291, 2.9885,
2.7055

 116.8390, 76.2986,
78.1269

 5.2806, 1.1257,
0.9462

 147.3777, 99.9943,
102.9392

 2.4493, 0.0000,
0.0000

 182.8216,
128.1489, 132.5165

 0.8697, 0.0000,
0.0000

 223.5364,

 0.0000, 0.0000,

161.1468, 167.2775

0.0000

269.8871,
199.3723, 207.6405

■ 36.4311, 18.4168,
18.1577

■ 36.4311, 18.4168,
18.1577

■ 36.4294, 18.4161,
18.1493

■ 37.4603, 19.3268,
22.0414

■ 38.9487, 21.0156,
26.5086

■ 41.0176, 23.7212,
31.6135

■ 43.7384, 27.5823,
37.3930

■ 47.1717, 32.7158,
43.8801

■ 51.3704, 39.2239,
51.1044

■ 56.3824, 47.1983,
59.0937

■ 62.2515, 56.7231,
67.8737

■ 69.0181, 67.8754,
77.4690

Harmonies

Analogous

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



33.8766, 18.4168, 45.8854



36.4311, 18.4168, 18.1577



32.8258, 18.4168, 4.9162

Triad

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



36.4311, 18.4168, 18.1577



10.7633, 18.4168, 1.4550



11.6425, 18.4168, 84.5402

Complementary

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



36.4311, 18.4168, 18.1577



32.0128, 58.9756, 26.2359

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.



7.8933, 18.4168, 52.0303



36.4311, 18.4168, 18.1577



7.4981, 18.4168, 6.3680

Square

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



36.4311, 18.4168, 18.1577



16.8298, 18.4168, 0.5226



6.6224, 18.4168, 22.0753



18.1973, 18.4168, 97.1143

Rectangle

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



36.4311, 18.4168, 18.1577



27.8863, 18.4168, 1.8160



6.6224, 18.4168, 22.0753



10.0844, 18.4168, 74.8089

Sweetspot

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



36.4316, 18.4179, 18.1580



69.7508, 58.2964, 73.0453



21.7722, 9.5423, 77.0379



14.3407, 11.5355, 14.7130



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.



36.4316, 18.4179, 18.1580



45.1015, 22.8046, 22.2643



33.2795, 17.1571, 1.5592



14.6760, 14.4876, 16.4940



20.2879, 10.2494, 10.4108



1.5461, 0.7761, 1.0162

Inverse Universe

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



36.4316, 18.4179, 18.1580



45.1015, 22.8046, 22.2643



43.4226, 63.5395, 86.3194



14.6760, 14.4876, 16.4940



20.2879, 10.2494, 10.4108



1.5461, 0.7761, 1.0162

Previews

White Background



This preview shows how the XYZ color 36.4311, 18.4168, 18.1577 looks on a white 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

Black Background



This preview shows how the XYZ color 36.4311, 18.4168, 18.1577 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 36.4311, 18.4168, 18.1577

Background



This preview shows how black text looks on a background with the XYZ color 36.4311, 18.4168, 18.1577.



This preview shows how white text looks on a background with the XYZ color 36.4311, 18.4168,

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

36.4311, 18.4168, 18.1577

Protanopia

19.6086, 19.0850, 39.6961

Deuteranopia

19.3281, 18.9347, 16.2717



Tritanopia

33.7832, 18.8093, 4.4347

Trichromacy



Original Color

36.4311, 18.4168, 18.1577



Protanomaly

20.9582, 14.0142, 30.0342



Deuteranomaly

22.2765, 14.7940, 16.4333



Tritanomaly

34.2098, 18.1567, 7.6628

Monochromacy



Original Color

36.4311, 18.4168, 18.1577



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6552, 8.6908, 11.7843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4311, 18.4168, 18.1577 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(232, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 116)  
}
```

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(232, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 36.4311, 18.4168, 18.1577 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(232, 0, 116) }
```


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

```
.border{ border-color:rgb(232, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4311, 18.4168, 18.1577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 116) }
```

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

```
.background{ background-color: rgb(232, 0,  
116) }
```

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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