

Converting Colors

XYZ(36.0288, 18.2577, 15.9542)

Have a look what the booklet for
XYZ(36.0288, 18.2577, 15.9542)
contains.

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Color

**XYZ(36.0390, 18.2599,
16.0930)**

Conversions

Conversions Part 1

Format	Color
Hex	E8006D
RGB	232, 0, 109
RGB Percent	91%, 0%, 43%
CMY	0.0902, 0.9998, 0.5725
CMYK	0.00, 1.00, 0.53, 0.09
HSL	332°, 100%, 46%
HSV	332°, 100%, 91%
XYZ	36.0390, 18.2599, 16.0930
YIQ	81.7940, 103.2830, 83.0830

Conversions

Conversions Part 2

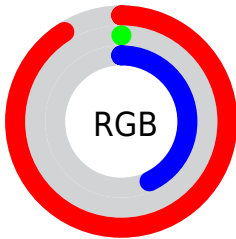
Format	Color
R_{YB}	232, 0, 109
Decimal	15204461
CIE _{Lab}	49.81, 78.23, 7.72
CIE _{LCh}	50, 78.611, 5.637
Yxy	18.2599, 0.5120, 0.2594
Android (android.graphics.Color)	4293394541 (0xFFE8006D)
YUV	81.7940, 13.4126, 131.7307
Hunter-Lab	42.7316, 75.7631, 7.5831

Details

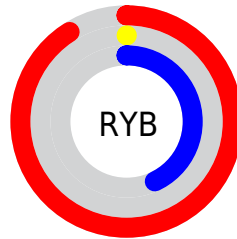
The XYZ color **36.0390, 18.2599, 16.0930** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **32.4356, 59.1447, 28.4625**, and the grayscale version is **7.9442, 8.3579, 9.1017**.

A 20% lighter version of the original color is **51.5879, 31.8035, 36.6774**, and **17.2317, 8.7828, 5.3445** is the 20% darker color. If you saturate the color by 10%, you get **36.0374, 18.2593, 16.0852**, and if you desaturate by 10%, it is **37.0598, 19.1665, 19.9329**.

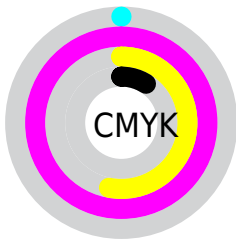
Distribution



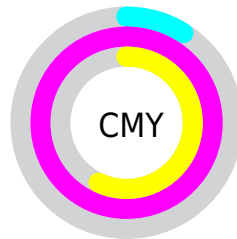
- Red (91%)
- Green (0%)
- Blue (43%)



- Red (91%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0390, 18.2599, 16.0930 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 36.0390, 18.2599, 16.0930 by changing the saturation by 10% instead.


 36.0390, 18.2599,
16.0930


 36.0390, 18.2599,
16.0930


320.5592,
242.3319, 241.7543

 24.6346, 11.1367,
9.4349


 68.4157, 40.4797,
37.5286


 15.9323, 6.1589,
4.9253


 90.1187, 56.3451,
53.1432


 9.5668, 2.9419,
2.1455


 115.9853, 75.8934,
72.5804

 5.1727, 1.1015,
0.6427

 146.3808, 99.5090,
96.2588

 2.3848, 0.0000,
0.0000

 181.6706,
127.5762, 124.5968

 0.8375, 0.0000,
0.0000

 222.2201,

 0.0000, 0.0000,

160.4795, 158.0130

0.0000

268.3945,
198.6033, 196.9260

■ 36.0390, 18.2599,
16.0930

■ 36.0390, 18.2599,
16.0930

■ 36.0374, 18.2593,
16.0852

■ 37.0598, 19.1665,
19.9329

■ 38.5489, 20.8555,
24.4041

■ 40.6282, 23.5652,
29.5639

■ 43.3697, 27.4344,
35.4526

■ 46.8344, 32.5803,
42.1057

■ 51.0759, 39.1054,
49.5558

■ 56.1425, 47.1015,
57.8329

■ 62.0784, 56.6528,
66.9655

■ 68.9246, 67.8368,
76.9802

Harmonies

Analogous

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



34.0971, 18.2599, 42.2651



36.0390, 18.2599, 16.0930



31.9220, 18.2599, 4.2162

Triad

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



36.0390, 18.2599, 16.0930



10.2329, 18.2599, 1.6584



12.0577, 18.2599, 86.2819

Complementary

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



36.0390, 18.2599, 16.0930



32.4356, 59.1447, 28.4625

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.



8.0715, 18.2599, 54.9859



36.0390, 18.2599, 16.0930



7.2503, 18.2599, 7.2429

Square

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



36.0390, 18.2599, 16.0930



15.9765, 18.2599, 0.5347



6.5922, 18.2599, 24.2233



18.8117, 18.2599, 95.8762

Rectangle

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



36.0390, 18.2599, 16.0930



26.8402, 18.2599, 1.5598



6.5922, 18.2599, 24.2233



10.4187, 18.2599, 77.2216

Sweetspot

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



36.0395, 18.2610, 16.0933



69.4530, 58.1773, 71.4772



22.2967, 9.8126, 77.0625



14.2705, 11.5074, 14.3430



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.



36.0395, 18.2610, 16.0933



44.6166, 22.6106, 19.7108



33.3214, 17.2409, 1.5731



14.6574, 14.4801, 16.3960



20.0691, 10.1619, 9.2590



1.5296, 0.7696, 0.9296

Inverse Universe

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



36.0395, 18.2610, 16.0933



44.6166, 22.6106, 19.7108



42.3463, 61.3870, 85.9606



14.6574, 14.4801, 16.3960



20.0691, 10.1619, 9.2590



1.5296, 0.7696, 0.9296

Previews

White Background



This preview shows how the XYZ color 36.0390, 18.2599, 16.0930 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 36.0390, 18.2599, 16.0930 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 36.0390, 18.2599, 16.0930

Background



This preview shows how black text looks on a background with the XYZ color 36.0390, 18.2599, 16.0930.



This preview shows how white text looks on a background with the XYZ color 36.0390, 18.2599,

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

36.0390, 18.2599, 16.0930

Protanopia

19.1988, 18.9773, 34.9988

Deuteranopia

19.1450, 18.8806, 14.4397



Tritanopia

33.6130, 18.5602, 4.0964

Trichromacy



Original Color

36.0390, 18.2599, 16.0930



Protanomaly

20.6445, 13.9324, 26.4121



Deuteranomaly

22.1305, 14.7611, 14.5147



Tritanomaly

34.0382, 18.0121, 6.9929

Monochromacy



Original Color

36.0390, 18.2599, 16.0930



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.4763, 8.5471, 11.0647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0390, 18.2599, 16.0930 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 36.0390, 18.2599, 16.0930 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, 109) }
```


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

```
.border{ border-color:rgb(232, 0, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0390, 18.2599, 16.0930 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, 109) }
```

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

```
.background{ background-color: rgb(232, 0,  
109) }
```

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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