

# Converting Colors

XYZ(36.1074, 18.2499, 18.1425)

Have a look what the booklet for  
XYZ(36.1074, 18.2499, 18.1425)  
contains.

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# Color

**XYZ(36.1074, 18.2499,  
18.1425)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E70074
RGB	231, 0, 116
RGB Percent	91%, 0%, 45%
CMY	0.0941, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.50, 0.09
HSL	330°, 100%, 45%
HSV	330°, 100%, 91%
XYZ	36.1074, 18.2499, 18.1425
YIQ	82.2930, 100.4400, 85.0480

# Conversions

## Conversions Part 2

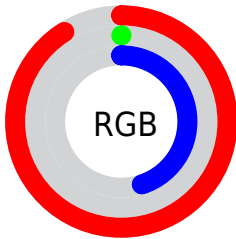
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 0, 116
Decimal	15138932
CIE <sub>Lab</sub>	49.80, 78.51, 3.39
CIE <sub>LCh</sub>	50, 78.585, 2.472
Yxy	18.2499, 0.4980, 0.2517
Android (android.graphics.Color)	4293329012 (0xFFE70074)
YUV	82.2930, 16.6176, 130.4160
Hunter-Lab	42.7199, 76.1106, 4.7244

# Details

The XYZ color **36.1074, 18.2499, 18.1425** 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 **31.6740, 58.3910, 25.8368**, and the grayscale version is **8.0383, 8.4569, 9.2096**.

A 20% lighter version of the original color is **52.3106, 32.0926, 40.4832**, and **17.1918, 8.7422, 6.2501** is the 20% darker color. If you saturate the color by 10%, you get **36.1058, 18.2492, 18.1345**, and if you desaturate by 10%, it is **37.1280, 19.1532, 21.9910**.

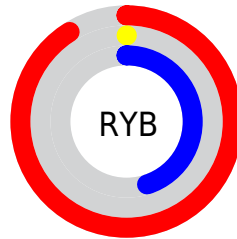
# Distribution



Red (91%)

Green (0%)

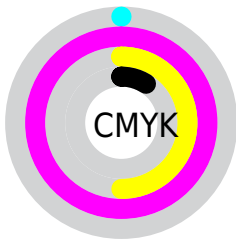
Blue (45%)



Red (91%)

Yellow (0%)

Blue (45%)

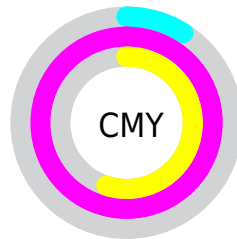


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (9%)



Cyan (9%)

Magenta (100%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1074, 18.2499, 18.1425 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 36.1074, 18.2499, 18.1425 by changing the saturation by 10% instead.




 36.1074, 18.2499,  
18.1425


 36.1074, 18.2499,  
18.1425


320.8528,  
242.2759, 253.9361


 24.6876, 11.1296,  
10.8818


 68.5206, 40.4627,  
41.0972

 15.9720, 6.1540,  
5.8743


 90.2447, 56.3239,  
57.6283


 9.5951, 2.9390,  
2.7012


 116.1344, 75.8676,  
78.0867

 5.1915, 1.1000,  
0.9440

 146.5549, 99.4780,  
102.8909

 2.3960, 0.0000,  
0.0000

 181.8717,  
127.5397, 132.4593

 0.8431, 0.0000,  
0.0000

 222.4500,

 0.0000, 0.0000,

160.4370, 167.2107

0.0000

268.6552,  
198.5542, 207.5634

■ 36.1074, 18.2499,  
18.1425

■ 36.1074, 18.2499,  
18.1425

■ 36.1058, 18.2492,  
18.1345

■ 37.1280, 19.1532,  
21.9910

■ 38.6024, 20.8269,  
26.4136

■ 40.6508, 23.5071,  
31.4639

■ 43.3440, 27.3309,  
37.1783

■ 46.7415, 32.4139,  
43.5890

■ 50.8960, 38.8573,  
50.7254

■ 55.8547, 46.7518,  
58.6146

■ 61.6609, 56.1804,  
67.2821

■ 68.3546, 67.2198,  
76.7519

# Harmonies

## Analogous

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



33.5317, 18.2499, 45.7192



36.1074, 18.2499, 18.1425



32.5758, 18.2499, 4.9236

# Triad

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



36.1074, 18.2499, 18.1425



10.6991, 18.2499, 1.4263



11.4988, 18.2499, 83.5922

# Complementary

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



36.1074, 18.2499, 18.1425



31.6740, 58.3910, 25.8368

# 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.



7.8034, 18.2499, 51.3097



36.1074, 18.2499, 18.1425



7.4439, 18.2499, 6.2437

# Square

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



36.1074, 18.2499, 18.1425



16.7314, 18.2499, 0.5136



6.5603, 18.2499, 21.7060



17.9754, 18.2499, 96.2666



# Rectangle

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



36.1074, 18.2499, 18.1425



27.6952, 18.2499, 1.8184



6.5603, 18.2499, 21.7060



9.9618, 18.2499, 73.9061

# Sweetspot

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



36.1079, 18.2510, 18.1428



69.7723, 58.3050, 73.1588



21.0655, 9.1943, 76.2655



14.3458, 11.5376, 14.7398



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.



36.1079, 18.2510, 18.1428



45.1378, 22.8191, 22.4556



32.9769, 16.9986, 1.6550



14.6773, 14.4881, 16.5011



20.3042, 10.2559, 10.4969



1.5473, 0.7766, 1.0226



# Inverse Universe

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



36.1079, 18.2510, 18.1428



45.1378, 22.8191, 22.4556



42.4624, 62.7064, 82.6476



14.6773, 14.4881, 16.5011



20.3042, 10.2559, 10.4969



1.5473, 0.7766, 1.0226



# Previews

## White Background



This preview shows how the XYZ color 36.1074, 18.2499, 18.1425 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 36.1074, 18.2499, 18.1425 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 36.1074, 18.2499, 18.1425

## Background



This preview shows how black text looks on a background with the XYZ color 36.1074, 18.2499, 18.1425.



This preview shows how white text looks on a background with the XYZ color 36.1074, 18.2499,



# 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

36.1074, 18.2499, 18.1425

### Protanopia

19.4904, 19.0241, 39.6905

### Deuteranopia

19.1634, 18.8498, 16.2640



## Tritanopia

33.4650, 18.6452, 4.4199

# Trichromacy



## Original Color

36.1074, 18.2499, 18.1425



## Protanomaly

20.7718, 13.9181, 30.0254



## Deuteranomaly

22.0578, 14.6813, 16.4230



## Tritanomaly

33.8898, 17.9917, 7.6478

# Monochromacy



## Original Color

36.1074, 18.2499, 18.1425



## Achromatopsia

8.0200, 8.4376, 9.1886



## Achromatomaly

13.4017, 8.4984, 11.5237

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1074, 18.2499, 18.1425 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(231, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1074, 18.2499, 18.1425 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(231, 0, 116) }
```



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

```
.border{ border-color:rgb(231, 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(231, 0, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(231, 0,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1074, 18.2499, 18.1425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 116) }
```

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

```
.background{ background-color: rgb(231, 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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