

# Converting Colors

XYZ(36.3368, 18.1002, 30.2608)

Have a look what the booklet for  
XYZ(36.3368, 18.1002, 30.2608)  
contains.

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# Color

**XYZ(36.2455, 18.0493,  
30.4277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E00096
RGB	224, 0, 150
RGB Percent	88%, 0%, 59%
CMY	0.1216, 0.9998, 0.4118
CMYK	0.00, 1.00, 0.33, 0.12
HSL	320°, 100%, 44%
HSV	320°, 100%, 88%
XYZ	36.2455, 18.0493, 30.4277
YIQ	84.0760, 85.3540, 94.1380

# Conversions

## Conversions Part 2

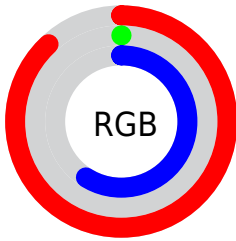
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 0, 150
Decimal	14680214
CIELab	49.56, 80.02, -17.73
CIELCh	50, 81.956, 347.506
Yxy	18.0493, 0.4278, 0.2130
Android (android.graphics.Color)	4292870294 (0xFFE00096)
YUV	84.0760, 32.5005, 122.7133
Hunter-Lab	42.4845, 77.9389, -12.7248

# Details

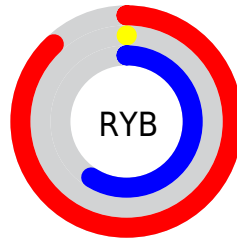
The XYZ color **36.2455, 18.0493, 30.4277** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **27.8938, 53.8067, 15.4020**, and the grayscale version is **8.3704, 8.8063, 9.5901**.

A 20% lighter version of the original color is **56.1418, 33.6250, 60.6580**, and **17.3564, 8.6874, 12.5664** is the 20% darker color. If you saturate the color by 10%, you get **36.2444, 18.0489, 30.4215**, and if you desaturate by 10%, it is **37.1562, 18.8864, 33.7655**.

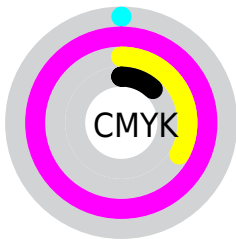
# Distribution



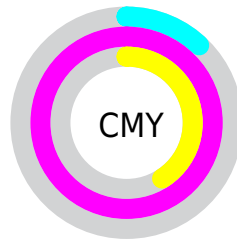
- Red (88%)
- Green (0%)
- Blue (59%)



- Red (88%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2455, 18.0493, 30.4277 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 36.2455, 18.0493, 30.4277 by changing the saturation by 10% instead.





 36.2455, 18.0493,  
30.4277


 36.2455, 18.0493,  
30.4277

321.4449,  
241.1488, 318.1621


 24.7948, 10.9854,  
19.9086


 68.7322, 40.1213,  
61.4069


 16.0522, 6.0570,  
12.1452


 90.4990, 55.8982,  
82.7041


 9.6522, 2.8798,  
6.7189


 116.4352, 75.3482,  
108.4311

 5.2294, 1.0693,  
3.2112

 146.9061, 98.8557,  
139.0065

 2.4186, 0.0000,  
1.2035

 182.2772,  
126.8051, 174.8487

 0.8544, 0.0000,  
0.0000

 222.9138,

 0.0000, 0.0000,

159.5809, 216.3764

0.0000

269.1812,  
197.5673, 264.0080

■ 36.2455, 18.0493,  
30.4277

■ 36.2455, 18.0493,  
30.4277

■ 36.2444, 18.0489,  
30.4215

■ 37.1562, 18.8864,  
33.7655

■ 38.4466, 20.4217,  
37.4189

■ 40.2283, 22.8772,  
41.4284

■ 42.5649, 26.3791,  
45.8182

■ 45.5101, 31.0338,  
50.6095

■ 49.1109, 36.9342,  
55.8208

■ 53.4095, 44.1641,  
61.4691

■ 58.4447, 52.7998,  
67.5703

■ 64.2520, 62.9116,  
74.1391

# Harmonies

## Analogous

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



30.6836, 18.0493, 64.9857



36.2455, 18.0493, 30.4277



35.6920, 18.0493, 9.3939

# Triad

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



36.2455, 18.0493, 30.4277



13.0455, 18.0493, 0.5090



8.9184, 18.0493, 71.0317

# Complementary

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



36.2455, 18.0493, 30.4277



27.8938, 53.8067, 15.4020

# 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.



6.4941, 18.0493, 35.5211



36.2455, 18.0493, 30.4277



8.3348, 18.0493, 2.6098

# Square

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



36.2455, 18.0493, 30.4277



20.5915, 18.0493, 0.3793



6.3189, 18.0493, 11.7791



14.1244, 18.0493, 97.9111



# Rectangle

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



36.2455, 18.0493, 30.4277



31.9305, 18.0493, 3.4241



6.3189, 18.0493, 11.7791



7.8293, 18.0493, 58.8630

# Sweetspot

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



36.2461, 18.0503, 30.4280



71.5041, 58.9977, 82.2779



16.0509, 6.7210, 70.9724



14.7575, 11.7022, 16.9078



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.



36.2461, 18.0503, 30.4280



48.5661, 24.1905, 40.5090



31.1430, 16.0091, 3.5559



14.0924, 13.8546, 16.2567



21.1521, 10.5278, 17.9983



1.5070, 0.7461, 1.4627



# Inverse Universe

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



36.2461, 18.0503, 30.4280



48.5661, 24.1905, 40.5090



35.1974, 56.7281, 53.8625



14.0924, 13.8546, 16.2567



21.1521, 10.5278, 17.9983



1.5070, 0.7461, 1.4627



# Previews

## White Background



This preview shows how the XYZ color 36.2455, 18.0493, 30.4277 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 36.2455, 18.0493, 30.4277 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 36.2455, 18.0493, 30.4277**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2455, 18.0493, 30.4277.



This preview shows how white text looks on a background with the XYZ color 36.2455, 18.0493,



# 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

36.2455, 18.0493, 30.4277

### Protanopia

21.2465, 18.9941, 66.1647

### Deuteranopia

18.9801, 18.6810, 27.4164



## Tritanopia

31.3469, 18.3812, 6.4532

# Trichromacy



## Original Color

36.2455, 18.0493, 30.4277



## Protanomaly

20.7548, 13.2483, 50.7535



## Deuteranomaly

21.5834, 14.1803, 27.9851



## Tritanomaly

32.2287, 17.4100, 12.2515

# Monochromacy



## Original Color

36.2455, 18.0493, 30.4277



## Achromatopsia

8.4267, 8.8656, 9.6546



## Achromatomaly

13.9716, 8.7798, 15.1456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2455, 18.0493, 30.4277 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(224, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 150)  
}
```

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(224, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2455, 18.0493, 30.4277 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(224, 0, 150) }
```



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

```
.border{ border-color:rgb(224, 0, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2455, 18.0493, 30.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 150) }
```

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

```
.background{ background-color: rgb(224, 0,  
150) }
```

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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