

Converting Colors

XYZ(36.9192, 18.4253, 29.1619)

Have a look what the booklet for
XYZ(36.9192, 18.4253, 29.1619)
contains.

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Color

**XYZ(36.9450, 18.4375,
29.2153)**

Conversions

Conversions Part 1

Format	Color
Hex	E30093
RGB	227, 0, 147
RGB Percent	89%, 0%, 58%
CMY	0.1098, 0.9998, 0.4235
CMYK	0.00, 1.00, 0.35, 0.11
HSL	321°, 100%, 45%
HSV	321°, 100%, 89%
XYZ	36.9450, 18.4375, 29.2153
YIQ	84.6310, 88.1050, 93.8410

Conversions

Conversions Part 2

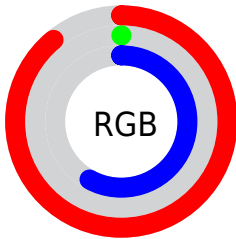
Format	Color
RYB	227, 0, 147
Decimal	14876819
CIELab	50.02, 80.32, -15.17
CIElCh	50, 81.741, 349.308
Yxy	18.4375, 0.4367, 0.2179
Android (android.graphics.Color)	4293066899 (0xFFE30093)
YUV	84.6310, 30.7479, 124.8576
Hunter-Lab	42.9389, 78.4398, -10.2832

Details

The XYZ color **36.9450, 18.4375, 29.2153** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **28.9195, 55.5184, 16.7908**, and the grayscale version is **8.4885, 8.9306, 9.7254**.

A 20% lighter version of the original color is **55.8748, 33.6615, 58.8107**, and **17.8372, 8.9515, 11.8540** is the 20% darker color. If you saturate the color by 10%, you get **36.9437, 18.4369, 29.2083**, and if you desaturate by 10%, it is **37.8965, 19.3004, 32.7392**.

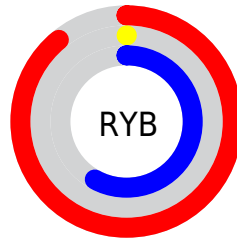
Distribution



Red (89%)

Green (0%)

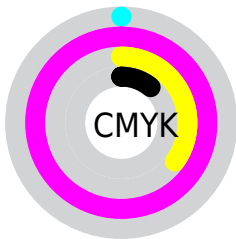
Blue (58%)



Red (89%)

Yellow (0%)

Blue (58%)

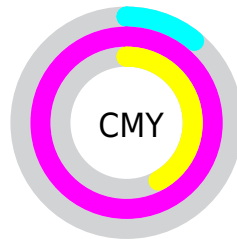


Cyan (0%)

Magenta (100%)

Yellow (35%)

Black (11%)



Cyan (11%)


Magenta (100%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9450, 18.4375, 29.2153 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 36.9450, 18.4375, 29.2153 by changing the saturation by 10% instead.

 36.9450, 18.4375,
29.2153


 36.9450, 18.4375,
29.2153


324.4320,
243.3256, 312.3221


 25.3384, 11.2645,
18.9968


 69.8026, 40.7814,
59.4652

 16.4594, 6.2451,
11.4912


 91.7842, 56.7212,
80.3337


 9.9427, 2.9947,
6.2799


 117.9550, 76.3520,
105.5893

 5.4230, 1.1289,
2.9445

 148.6801,
100.0582, 135.6505

 2.5348, 0.0025,
1.0664

 184.3250,
128.2243, 170.9358

 0.9128, 0.0000,
0.0000

 225.2551,

 0.0000, 0.0000,

161.2346, 211.8638

0.0000

271.8356,
199.4736, 258.8531

■ 36.9450, 18.4375,
29.2153

■ 36.9450, 18.4375,
29.2153

■ 36.9437, 18.4369,
29.2083

■ 37.8965, 19.3004,
32.7392

■ 39.2453, 20.8866,
36.6151

■ 41.1059, 23.4237,
40.8854

■ 43.5441, 27.0422,
45.5762

■ 46.6157, 31.8522,
50.7098

■ 50.3693, 37.9500,
56.3063

■ 54.8488, 45.4220,
62.3840

■ 60.0943, 54.3470,
68.9598

■ 66.1427, 64.7980,
76.0497

Harmonies

Analogous

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



31.6487, 18.4375, 63.5337



36.9450, 18.4375, 29.2153



35.9880, 18.4375, 8.9022

Triad

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



36.9450, 18.4375, 29.2153



12.9905, 18.4375, 0.6364



9.4075, 18.4375, 73.9607

Complementary

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



36.9450, 18.4375, 29.2153



28.9195, 55.5184, 16.7908

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.



6.7871, 18.4375, 38.0388



36.9450, 18.4375, 29.2153



8.3871, 18.4375, 3.0196

Square

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



36.9450, 18.4375, 29.2153



20.4778, 18.4375, 0.4142



6.4799, 18.4375, 13.0732



14.8693, 18.4375, 99.6110

Rectangle

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



36.9450, 18.4375, 29.2153



31.9976, 18.4375, 3.2516



6.4799, 18.4375, 13.0732



8.2445, 18.4375, 61.8246

Sweetspot

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



36.9456, 18.4385, 29.2156



71.2684, 58.9035, 81.0367



17.1303, 7.2301, 73.1657



14.7012, 11.6797, 16.6111



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.



36.9456, 18.4385, 29.2156



48.0418, 23.9807, 37.7479



31.9691, 16.4480, 3.0101



14.7681, 14.5244, 16.9791



21.6030, 10.7754, 17.3362



1.6401, 0.8137, 1.5111

Inverse Universe

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



36.9456, 18.4385, 29.2156



48.0418, 23.9807, 37.7479



37.0906, 58.7868, 59.8192



14.7681, 14.5244, 16.9791



21.6030, 10.7754, 17.3362



1.6401, 0.8137, 1.5111

Previews

White Background



This preview shows how the XYZ color 36.9450, 18.4375, 29.2153 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 36.9450, 18.4375, 29.2153 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 36.9450, 18.4375, 29.2153

Background



This preview shows how black text looks on a background with the XYZ color 36.9450, 18.4375, 29.2153.



This preview shows how white text looks on a background with the XYZ color 36.9450, 18.4375,

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

36.9450, 18.4375, 29.2153

Protanopia

21.3357, 19.2723, 63.5682

Deuteranopia

19.4512, 19.1230, 26.3328



Tritanopia

32.1475, 18.7245, 6.1948

Trichromacy



Original Color

36.9450, 18.4375, 29.2153



Protanomaly

21.1586, 13.6066, 48.5249



Deuteranomaly

22.2241, 14.6366, 26.8531



Tritanomaly

33.0248, 17.7838, 11.8172

Monochromacy



Original Color

36.9450, 18.4375, 29.2153



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3425, 9.0394, 15.1762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9450, 18.4375, 29.2153 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(227, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 147)  
}
```

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(227, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 36.9450, 18.4375, 29.2153 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(227, 0, 147) }
```


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

```
.border{ border-color:rgb(227, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9450, 18.4375, 29.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 147) }
```

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

```
.background{ background-color: rgb(227, 0,  
147) }
```

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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