

# Converting Colors

XYZ(36.8366, 18.5358, 32.7067)

Have a look what the booklet for  
XYZ(36.8366, 18.5358, 32.7067)  
contains.

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# Color

**XYZ(36.8139, 18.5279,  
32.6463)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E00E9B
RGB	224, 14, 155
RGB Percent	88%, 5%, 61%
CMY	0.1216, 0.9450, 0.3922
CMYK	0.00, 0.94, 0.31, 0.12
HSL	320°, 88%, 47%
HSV	320°, 94%, 88%
XYZ	36.8139, 18.5279, 32.6463
YIQ	92.8640, 79.8990, 88.3710

# Conversions

## Conversions Part 2

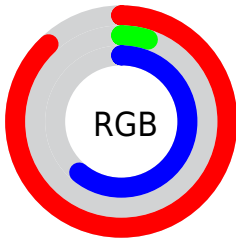
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 14, 155
Decimal	14683803
CIELab	50.13, 79.43, -19.84
CIELCh	50, 81.867, 345.972
Yxy	18.5279, 0.4184, 0.2106
Android (android.graphics.Color)	4292873883 (0xFFE00E9B)
YUV	92.8640, 30.6330, 115.0063
Hunter-Lab	43.0440, 77.3370, -14.8370

# Details

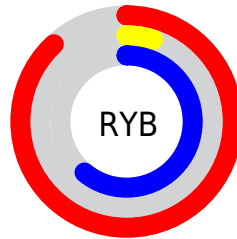
The XYZ color **36.8139, 18.5279, 32.6463** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **28.4001, 54.0301, 17.1227**, and the grayscale version is **10.2952, 10.8314, 11.7954**.

A 20% lighter version of the original color is **57.1476, 34.4625, 64.6127**, and **17.6029, 8.7860, 13.8648** is the 20% darker color. If you saturate the color by 10%, you get **36.2769, 18.0619, 30.5925**, and if you desaturate by 10%, it is **37.9385, 19.7571, 36.1651**.

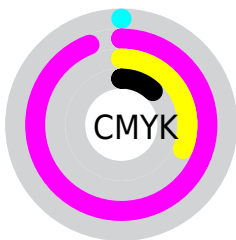
# Distribution



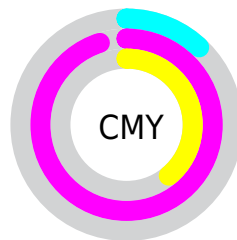
- Red (88%)
- Green (5%)
- Blue (61%)



- Red (88%)
- Yellow (5%)
- Blue (61%)



- Cyan (0%)
- Magenta (94%)
- Yellow (31%)
- Black (12%)




- Cyan (12%)
- Magenta (95%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8139, 18.5279, 32.6463 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 36.8139, 18.5279, 32.6463 by changing the saturation by 10% instead.




 36.8139, 18.5279,  
32.6463

 36.8139, 18.5279,  
32.6463


323.8737,  
243.8300, 328.6359


 25.2364, 11.3297,  
21.5867


 69.6022, 40.9348,  
64.9326

 16.3830, 6.2890,  
13.3581


 91.5437, 56.9123,  
86.9963


 9.8881, 3.0216,  
7.5420

 117.6706, 76.5849,  
113.5652

 5.3865, 1.1430,  
3.7198

 148.3483,  
100.3372, 145.0578

 2.5129, 0.0144,  
1.4729

 183.9421,  
128.5534, 181.8927

 0.9017, 0.0000,  
0.1976

 224.8173,

 0.0000, 0.0000,

161.6180, 224.4883

0.0000

271.3394,  
199.9154, 273.2632

■ 36.8139, 18.5279,  
32.6463

■ 36.8139, 18.5279,  
32.6463

■ 36.2769, 18.0619,  
30.5925

■ 37.9385, 19.7571,  
36.1651

■ 39.5255, 21.8501,  
40.0271

■ 41.6447, 24.9449,  
44.2588

■ 44.3527, 29.1541,  
48.8821

■ 47.6989, 34.5753,  
53.9165

■ 51.7271, 41.2953,  
59.3794

■ 56.4773, 49.3930,  
65.2871

■ 61.9861, 58.9408,  
71.6545

■ 68.2878, 70.0063,  
78.4957

# Harmonies

## Analogous

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



30.9279, 18.5279, 67.9537



36.8139, 18.5279, 32.6463



36.5964, 18.5279, 10.4229

# Triad

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



36.8139, 18.5279, 32.6463



13.7562, 18.5279, 0.5401



9.0296, 18.5279, 70.3244

# Complementary

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



36.8139, 18.5279, 32.6463



28.4001, 54.0301, 17.1227

# 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.



6.6798, 18.5279, 34.6498



36.8139, 18.5279, 32.6463



8.7983, 18.5279, 2.5365

# Square

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



36.8139, 18.5279, 32.6463



21.5500, 18.5279, 0.4898



6.6102, 18.5279, 11.3675



14.1825, 18.5279, 98.5211



# Rectangle

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



36.8139, 18.5279, 32.6463



32.9654, 18.5279, 3.9004



6.6102, 18.5279, 11.3675



7.9636, 18.5279, 57.9784

# Sweetspot

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



36.8145, 18.5289, 32.6466



72.7972, 61.1749, 83.9700



16.9648, 7.4252, 71.0602



15.0040, 12.1125, 17.2450



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.



36.8145, 18.5289, 32.6466



48.6098, 24.2079, 40.7389



31.5299, 16.4151, 4.8182



14.0935, 13.8550, 16.2624



21.1708, 10.5353, 18.0973



1.5082, 0.7466, 1.4690



# Inverse Universe

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



36.8145, 18.5289, 32.6466



48.6098, 24.2079, 40.7389



35.6479, 56.9293, 55.2895



14.0935, 13.8550, 16.2624



21.1708, 10.5353, 18.0973



1.5082, 0.7466, 1.4690



# Previews

## White Background



This preview shows how the XYZ color 36.8139, 18.5279, 32.6463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

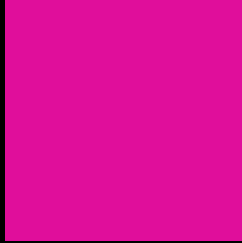
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.8139, 18.5279, 32.6463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

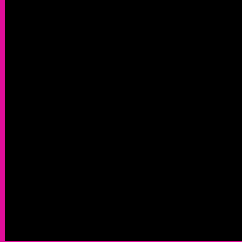
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.8139, 18.5279, 32.6463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.8139, 18.5279, 32.6463.



This preview shows how white text looks on a background with the XYZ color 36.8139, 18.5279,



# 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

36.8139, 18.5279, 32.6463

### Protanopia

21.7338, 19.1551, 70.2620

### Deuteranopia

19.3350, 18.9943, 29.4353



## Tritanopia

31.5902, 18.7323, 6.9517

# Trichromacy



## Original Color

36.8139, 18.5279, 32.6463



## Protanomaly

21.2899, 14.0828, 53.8207



## Deuteranomaly

22.3940, 15.1763, 30.1828



## Tritanomaly

32.6582, 17.9743, 13.3034

# Monochromacy



## Original Color

36.8139, 18.5279, 32.6463



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

15.9703, 10.5905, 17.7254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.8139, 18.5279, 32.6463 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, 14, 155)` looks like.

```
.text, #text, p{  
    color:rgb(224, 14, 155)  
}
```

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, 14, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 14, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 36.8139, 18.5279, 32.6463 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, 14, 155) }
```



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

```
.border{ border-color:rgb(224, 14, 155) }
```

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

Here you see how a box with a 4 pixel rgb(224, 14, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 14, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 14, 155);  
box-shadow:4px 4px 4px 4px rgb(224, 14,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.8139, 18.5279, 32.6463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 14, 155) }
```

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

```
.background{ background-color: rgb(224, 14,  
155) }
```

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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