

# Converting Colors

XYZ(35.2136, 17.6509, 24.3461)

Have a look what the booklet for  
XYZ(35.2136, 17.6509, 24.3461)  
contains.

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# Color

**XYZ(35.1136, 17.5966,  
24.4675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E00087
RGB	224, 0, 135
RGB Percent	88%, 0%, 53%
CMY	0.1216, 0.9998, 0.4706
CMYK	0.00, 1.00, 0.40, 0.12
HSL	324°, 100%, 44%
HSV	324°, 100%, 88%
XYZ	35.1136, 17.5966, 24.4675
YIQ	82.3660, 90.1690, 89.4730

# Conversions

## Conversions Part 2

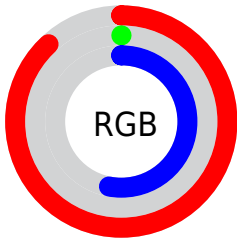
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 0, 135
Decimal	14680199
CIE <sub>Lab</sub>	49.00, 78.58, -9.52
CIE <sub>LCh</sub>	49, 79.158, 353.094
Yxy	17.5966, 0.4550, 0.2280
Android (android.graphics.Color)	4292870279 (0xFFE00087)
YUV	82.3660, 25.9486, 124.2130
Hunter-Lab	41.9483, 76.0072, -5.2187

# Details

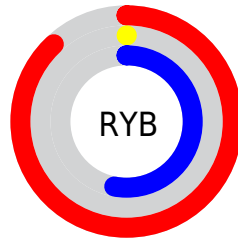
The XYZ color **35.1136, 17.5966, 24.4675** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **28.4615, 54.0335, 18.3916**, and the grayscale version is **8.0360, 8.4545, 9.2069**.

A 20% lighter version of the original color is **54.2315, 32.7195, 51.0341**, and **16.7439, 8.4424, 9.3414** is the 20% darker color. If you saturate the color by 10%, you get **35.1121, 17.5959, 24.4601**, and if you desaturate by 10%, it is **36.0625, 18.4491, 28.0068**.

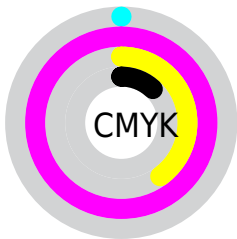
# Distribution



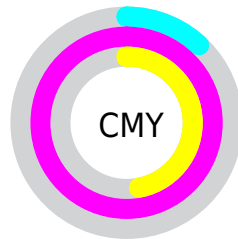
- Red (88%)
- Green (0%)
- Blue (53%)



- Red (88%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1136, 17.5966, 24.4675 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 35.1136, 17.5966, 24.4675 by changing the saturation by 10% instead.



 35.1136, 17.5966,  
24.4675


 35.1136, 17.5966,  
24.4675


316.5687,  
238.5873, 288.5379


 23.9173, 10.6608,  
15.4654


 66.9946, 39.3487,  
51.7454

 15.3967, 5.8392,  
8.9964


 88.4100, 54.9338,  
70.8582


 9.1864, 2.7476,  
4.6421


 113.9625, 74.1708,  
94.1784

 4.9210, 1.0014,  
1.9838

 144.0174, 97.4440,  
122.1244

 2.2353, 0.0000,  
0.5453

 178.9402,  
125.1378, 155.1148

 0.7612, 0.0000,  
0.0000

 219.0960,

 0.0000, 0.0000,

157.6368, 193.5682

0.0000

264.8504,  
195.3251, 237.9030

■ 35.1136, 17.5966,  
24.4675

■ 35.1136, 17.5966,  
24.4675

■ 35.1121, 17.5959,  
24.4601

■ 36.0625, 18.4491,  
28.0068

■ 37.4067, 20.0061,  
31.9423

■ 39.2579, 22.4896,  
36.3175

■ 41.6805, 26.0261,  
41.1593

■ 44.7285, 30.7221,  
46.4913

■ 48.4494, 36.6708,  
52.3348

■ 52.8861, 43.9562,  
58.7091

■ 58.0775, 52.6546,  
65.6325

■ 64.0598, 62.8367,  
73.1218

# Harmonies

## Analogous

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



30.8135, 17.5966, 55.3405



35.1136, 17.5966, 24.4675



33.4468, 17.5966, 7.2399

# Triad

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



35.1136, 17.5966, 24.4675



11.7582, 17.5966, 0.8161



9.5751, 17.5966, 73.4078

# Complementary

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



35.1136, 17.5966, 24.4675



28.4615, 54.0335, 18.3916

# 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.



6.7807, 17.5966, 39.9026



35.1136, 17.5966, 24.4675



7.7579, 17.5966, 3.6589

# Square

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



35.1136, 17.5966, 24.4675



18.4881, 17.5966, 0.4128



6.2304, 17.5966, 14.6810



15.0778, 17.5966, 94.3269



# Rectangle

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



35.1136, 17.5966, 24.4675



29.3589, 17.5966, 2.6547



6.2304, 17.5966, 14.6810



8.3623, 17.5966, 62.4323

# Sweetspot

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



35.1141, 17.5976, 24.4678



70.7959, 58.7145, 78.5488



17.2834, 7.3565, 71.0298



14.5886, 11.6347, 16.0180



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.



35.1141, 17.5976, 24.4678



47.0445, 23.5818, 32.4962



30.9294, 15.9237, 2.4312



14.0523, 13.8386, 16.0457



20.4961, 10.2654, 14.5439



1.4645, 0.7291, 1.2387



# Inverse Universe

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



35.1141, 17.5976, 24.4678



47.0445, 23.5818, 32.4962



36.8345, 57.3828, 62.4835



14.0523, 13.8386, 16.0457



20.4961, 10.2654, 14.5439



1.4645, 0.7291, 1.2387



# Previews

## White Background



This preview shows how the XYZ color 35.1136, 17.5966, 24.4675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

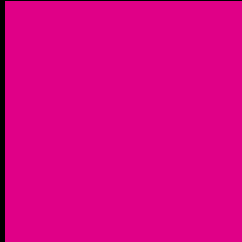
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.1136, 17.5966, 24.4675 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 35.1136, 17.5966, 24.4675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1136, 17.5966, 24.4675.



This preview shows how white text looks on a background with the XYZ color 35.1136, 17.5966,



# 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

35.1136, 17.5966, 24.4675

### Protanopia

19.9135, 18.4121, 53.5433

### Deuteranopia

18.5848, 18.2542, 21.9459



## Tritanopia

31.1761, 17.8821, 5.4229

# Trichromacy



## Original Color

35.1136, 17.5966, 24.4675



## Protanomaly

20.3081, 13.2331, 41.0190



## Deuteranomaly

21.2453, 14.0314, 22.3575



## Tritanomaly

31.9911, 17.1563, 10.0129

# Monochromacy



## Original Color

35.1136, 17.5966, 24.4675



## Achromatopsia

8.0200, 8.4376, 9.1886



## Achromatomaly

13.4085, 8.4639, 13.2389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1136, 17.5966, 24.4675 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1136, 17.5966, 24.4675 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, 135) }
```



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

```
.border{ border-color:rgb(224, 0, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1136, 17.5966, 24.4675 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, 135) }
```

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

```
.background{ background-color: rgb(224, 0,  
135) }
```

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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