

# Converting Colors

XYZ(35.1631, 17.4504, 32.2263)

Have a look what the booklet for  
XYZ(35.1631, 17.4504, 32.2263)  
contains.

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# Color

**XYZ(35.0462, 17.3932,  
32.0819)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB009A
RGB	219, 0, 154
RGB Percent	86%, 0%, 60%
CMY	0.1412, 0.9998, 0.3961
CMYK	0.00, 1.00, 0.30, 0.14
HSL	318°, 100%, 43%
HSV	318°, 100%, 86%
XYZ	35.0462, 17.3932, 32.0819
YIQ	83.0370, 81.0900, 94.3220

# Conversions

## Conversions Part 2

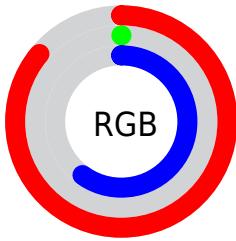
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 0, 154
Decimal	14352538
CIE <sub>Lab</sub>	48.75, 79.44, -21.44
CIE <sub>LCh</sub>	49, 82.281, 344.893
Yxy	17.3932, 0.4146, 0.2058
Android (android.graphics.Color)	4292542618 (0xFFDB009A)
YUV	83.0370, 34.9848, 119.2396
Hunter-Lab	41.7052, 77.0153, -16.4155

# Details

The XYZ color **35.0462, 17.3932, 32.0819** 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 **26.2875, 51.0457, 13.4749**, and the grayscale version is **8.1540, 8.5786, 9.3421**.

A 20% lighter version of the original color is **56.6630, 33.6922, 63.8384**, and **16.7463, 8.3502, 13.5611** is the 20% darker color. If you saturate the color by 10%, you get **35.0452, 17.3928, 32.0765**, and if you desaturate by 10%, it is **35.8885, 18.1874, 35.1072**.

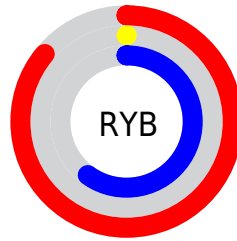
# Distribution



Red (86%)

Green (0%)

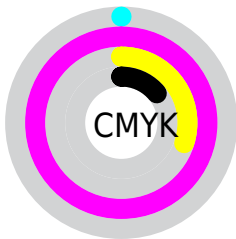
Blue (60%)



Red (86%)

Yellow (0%)

Blue (60%)

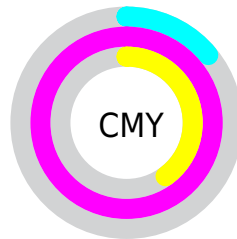


Cyan (0%)

Magenta (100%)

Yellow (30%)

Black (14%)



Cyan (14%)

Magenta (100%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0462, 17.3932, 32.0819 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 35.0462, 17.3932, 32.0819 by changing the saturation by 10% instead.




 35.0462, 17.3932,  
32.0819


 35.0462, 17.3932,  
32.0819


316.2767,  
237.4282, 325.9964


 23.8651, 10.5152,  
21.1587


 66.8909, 39.0006,  
64.0389

 15.3578, 5.7419,  
13.0477


 88.2852, 54.4988,  
85.9097


 9.1588, 2.6888,  
7.3303


 113.8147, 73.6392,  
112.2669

 4.9029, 0.9715,  
3.5879

 143.8447, 96.8062,  
143.5289

 2.2246, 0.0000,  
1.4021

 178.7405,  
124.3843, 180.1144

 0.7556, 0.0000,  
0.1434

 218.8675,

 0.0000, 0.0000,

156.7577, 222.4417

0.0000

264.5911,  
194.3108, 270.9295

■ 35.0462, 17.3932,  
32.0819

■ 35.0462, 17.3932,  
32.0819

■ 35.0452, 17.3928,  
32.0765

■ 35.8885, 18.1874,  
35.1072

■ 37.0837, 19.6399,  
38.3969

■ 38.7385, 21.9633,  
41.9890

■ 40.9128, 25.2766,  
45.9054

■ 43.6572, 29.6804,  
50.1652

■ 47.0160, 35.2626,  
54.7851

■ 51.0290, 42.1023,  
59.7804

■ 55.7327, 50.2715,  
65.1652

■ 61.1607, 59.8370,  
70.9526

# Harmonies

## Analogous

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



29.1471, 17.3932, 66.7866



35.0462, 17.3932, 32.0819



35.0695, 17.3932, 10.0860

# Triad

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



35.0462, 17.3932, 32.0819



13.0514, 17.3932, 0.3172



8.1864, 17.3932, 66.5306

# Complementary

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



35.0462, 17.3932, 32.0819



26.2875, 51.0457, 13.4749

# 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.



6.0452, 17.3932, 31.8676



35.0462, 17.3932, 32.0819



8.2106, 17.3932, 2.0667

# Square

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



35.0462, 17.3932, 32.0819



20.6426, 17.3932, 0.3228



6.0524, 17.3932, 9.9871



13.0064, 17.3932, 94.9525



# Rectangle

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



35.0462, 17.3932, 32.0819



31.6578, 17.3932, 3.6644



6.0524, 17.3932, 9.9871



7.2054, 17.3932, 54.4100

# Sweetspot

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



35.0468, 17.3942, 32.0822



71.8668, 59.1428, 84.1880



14.7784, 6.1422, 67.4247



14.8444, 11.7370, 17.3651



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.



35.0468, 17.3942, 32.0822



49.4071, 24.5268, 44.9373



29.7369, 15.2702, 4.1209



13.4411, 13.2055, 15.5841



20.8303, 10.3332, 19.2843



1.3867, 0.6843, 1.4451



# Inverse Universe

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



35.0468, 17.3942, 32.0822



49.4071, 24.5268, 44.9373



32.7363, 53.6252, 47.4336



13.4411, 13.2055, 15.5841



20.8303, 10.3332, 19.2843



1.3867, 0.6843, 1.4451



# Previews

## White Background



This preview shows how the XYZ color 35.0462, 17.3932, 32.0819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

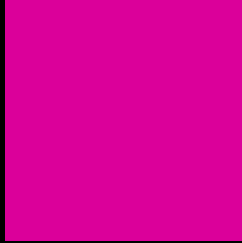
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0462, 17.3932, 32.0819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

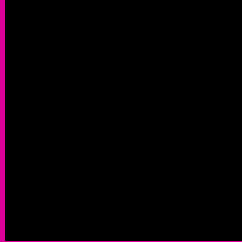
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 35.0462, 17.3932, 32.0819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0462, 17.3932, 32.0819.



This preview shows how white text looks on a background with the XYZ color 35.0462, 17.3932,



# 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

35.0462, 17.3932, 32.0819

### Protanopia

20.9855, 18.2587, 70.1284

### Deuteranopia

18.3672, 17.9881, 28.8895



## Tritanopia

30.0065, 17.8425, 6.5651

# Trichromacy



## Original Color

35.0462, 17.3932, 32.0819



## Protanomaly

20.0921, 12.7437, 53.6254



## Deuteranomaly

20.8647, 13.6755, 29.5569



## Tritanomaly

30.8612, 16.7426, 12.6714

# Monochromacy



## Original Color

35.0462, 17.3932, 32.0819



## Achromatopsia

8.2219, 8.6500, 9.4199



## Achromatomaly

13.5491, 8.5559, 15.4053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0462, 17.3932, 32.0819 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(219, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 154)  
}
```

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(219, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0462, 17.3932, 32.0819 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(219, 0, 154) }
```



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

```
.border{ border-color:rgb(219, 0, 154) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0462, 17.3932, 32.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 154) }
```

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

```
.background{ background-color: rgb(219, 0,  
154) }
```

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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