

# Converting Colors

XYZ(36.6739, 17.3157, 74.0834)

Have a look what the booklet for  
XYZ(36.6739, 17.3157, 74.0834)  
contains.

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# Color

**XYZ(36.6409, 17.3035,  
74.0818)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C401E3
RGB	196, 1, 227
RGB Percent	77%, 0%, 89%
CMY	0.2314, 0.9960, 0.1098
CMYK	0.14, 1.00, 0.00, 0.11
HSL	292°, 99%, 45%
HSV	292°, 100%, 89%
XYZ	36.6409, 17.3035, 74.0818
YIQ	85.0690, 43.6740, 111.6260

# Conversions

## Conversions Part 2

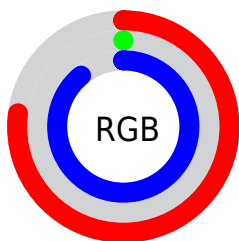
Format	Color
<a href="#">RYB</a>	<a href="#">196, 1, 227</a>
Decimal	<a href="#">12845539</a>
CIELab	<a href="#">48.64, 85.28, -64.46</a>
CIELCh	<a href="#">49, 106.896, 322.916</a>
Yxy	<a href="#">17.3035, 0.2862, 0.1352</a>
Android (android.graphics.Color)	<a href="#">4291035619</a> (0xFFC401E3)
YUV	<a href="#">85.0690, 69.9720, 97.2865</a>
Hunter-Lab	<a href="#">41.5975, 84.4351, -76.4725</a>

# Details

The XYZ color **36.6409, 17.3035, 74.0818** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **28.0710, 55.2480, 9.2137**, and the grayscale version is **8.5036, 8.9465, 9.7427**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.4090, 8.1365, 38.6832** is the 20% darker color. If you saturate the color by 10%, you get **36.5943, 17.2634, 74.0768**, and if you desaturate by 10%, it is **37.7700, 18.3458, 74.2237**.

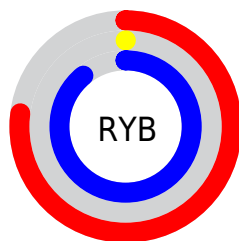
# Distribution



Red (77%)

Green (0%)

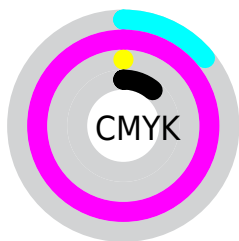
Blue (89%)



Red (77%)

Yellow (0%)

Blue (89%)

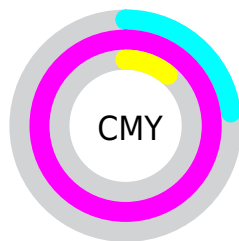


Cyan (14%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (23%)

Magenta (100%)


Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6409, 17.3035, 74.0818 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 36.6409, 17.3035, 74.0818 by changing the saturation by 10% instead.





 36.6409, 17.3035,  
74.0818


 36.6409, 17.3035,  
74.0818


 323.1358,  
236.9153, 493.9266


 25.1020, 10.4511,  
54.3638


 69.3376, 38.8469,  
126.7469


 16.2822, 5.6991,  
38.4974


 91.2260, 54.3066,  
160.5310


 9.8162, 2.6630,  
26.0642


 117.2950, 73.4043,  
199.8410

 5.3386, 0.9584,  
16.6455

 147.9099, 96.5243,  
245.0953

 2.4840, 0.0000,  
9.8228

 183.4361,  
124.0510, 296.7124

 0.8872, 0.0000,  
5.1775


 224.2389,


 0.0000, 0.0000,


156.3688, 355.1110


2.2912


270.6837,  
193.8621, 420.7096

 0.0000, 0.0000,  
0.7263


 0.0000, 0.0000,  
0.0000


 36.6409, 17.3035,  
74.0818


 36.6409, 17.3035,  
74.0818

 36.5943, 17.2634,  
74.0768

 37.7700, 18.3458,  
74.2237

 39.2779, 20.1216,  
74.4870

 41.2723, 22.8450,  
74.9076

 43.8179, 26.6454,  
75.5070

■ 46.9691, 31.6316,  
76.3033

■ 50.7740, 37.8992,  
77.3126

■ 55.2753, 45.5342,  
78.5490

■ 60.5125, 54.6147,  
80.0257

■ 66.5217, 65.2132,  
81.7547

# Harmonies

## Analogous

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



24.9731, 17.3035, 125.8807



36.6409, 17.3035, 74.0818



43.2912, 17.3035, 26.3488

# Triad

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



36.6409, 17.3035, 74.0818



18.8933, 17.3035, 0.0000



4.4465, 17.3035, 48.8147

# Complementary

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



36.6409, 17.3035, 74.0818



28.0710, 55.2480, 9.2137

# 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.



3.9058, 17.3035, 12.9142



36.6409, 17.3035, 74.0818



10.1220, 17.3035, 0.0000

# Square

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



36.6409, 17.3035, 74.0818



30.7051, 17.3035, 0.0000



5.4958, 17.3035, 1.4123



7.4691, 17.3035, 103.6208



# Rectangle

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



36.6409, 17.3035, 74.0818



42.6569, 17.3035, 9.1353



5.4958, 17.3035, 1.4123



4.0354, 17.3035, 33.7414

# Sweetspot

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



36.6417, 17.3042, 74.0822



71.5542, 58.5839, 102.1443



14.4765, 6.7498, 73.2132



14.7644, 11.5995, 21.7107



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.



36.6417, 17.3042, 74.0822



47.5715, 22.4389, 96.4316



37.0277, 18.4883, 29.5954



14.7905, 14.5097, 18.1654



21.4154, 10.1059, 43.2051



1.6364, 0.7746, 3.1952



# Inverse Universe

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



31.9507, 16.4575, 2.8604



41.5431, 21.3812, 3.5259



28.9341, 55.5258, 16.8038



14.4571, 14.4000, 15.3415



18.6450, 9.5922, 1.7596



1.4036, 0.7191, 0.2657



# Previews

## White Background



This preview shows how the XYZ color 36.6409, 17.3035, 74.0818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

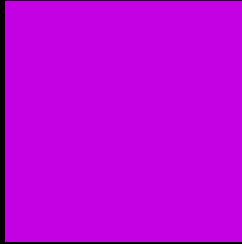
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6409, 17.3035, 74.0818 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

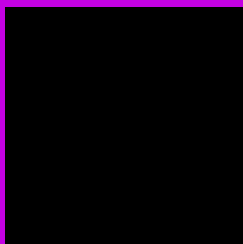
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 36.6409, 17.3035, 74.0818**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6409, 17.3035, 74.0818.



This preview shows how white text looks on a background with the XYZ color 36.6409, 17.3035,



# 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

36.6409, 17.3035, 74.0818

### Protanopia

21.4851, 18.0422, 84.0115

### Deuteranopia

18.3547, 17.8968, 64.1150



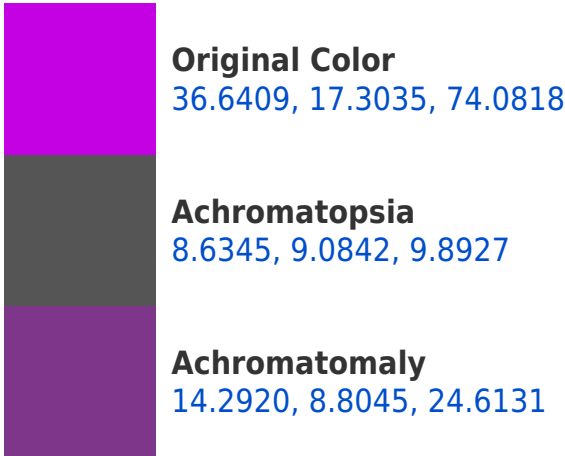
## Tritanopia

24.2283, 17.5547, 12.9379

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6409, 17.3035, 74.0818 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(196, 1, 227)` looks like.

```
.text, #text, p{  
    color:rgb(196, 1, 227)  
}
```

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(196, 1, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 1, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6409, 17.3035, 74.0818 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(196, 1, 227) }
```



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

```
.border{ border-color:rgb(196, 1, 227) }
```

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

Here you see how a box with a 4 pixel rgb(196, 1, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 1, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 1, 227);  
box-shadow:4px 4px 4px 4px rgb(196, 1,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6409, 17.3035, 74.0818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 1, 227) }
```

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

```
.background{ background-color: rgb(196, 1,  
227) }
```

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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