

# Converting Colors

XYZ(34.9427, 17.6842, 28.4216)

Have a look what the booklet for  
XYZ(34.9427, 17.6842, 28.4216)  
contains.

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# Color

**XYZ(34.7969, 17.6016,  
28.3515)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC0F91
RGB	220, 15, 145
RGB Percent	86%, 6%, 57%
CMY	0.1373, 0.9411, 0.4314
CMYK	0.00, 0.93, 0.34, 0.14
HSL	322°, 87%, 46%
HSV	322°, 93%, 86%
XYZ	34.7969, 17.6016, 28.3515
YIQ	91.1150, 80.4500, 83.8900

# Conversions

## Conversions Part 2

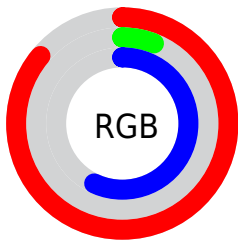
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 15, 145
Decimal	14421905
CIE <sub>Lab</sub>	49.01, 77.48, -15.63
CIE <sub>LCh</sub>	49, 79.036, 348.596
Yxy	17.6016, 0.4309, 0.2180
Android (android.graphics.Color)	4292611985 (0xFFDC0F91)
YUV	91.1150, 26.5653, 113.0321
Hunter-Lab	41.9543, 74.6281, -10.6985

# Details

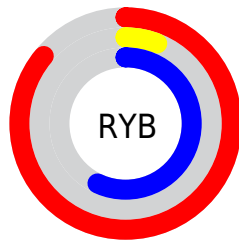
The XYZ color **34.7969, 17.6016, 28.3515** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **27.6376, 52.0271, 18.2656**, and the grayscale version is **9.9027, 10.4184, 11.3456**.

A 20% lighter version of the original color is **55.7317, 33.7493, 57.6097**, and **16.3185, 8.1791, 11.3083** is the 20% darker color. If you saturate the color by 10%, you get **34.2121, 17.0944, 26.1145**, and if you desaturate by 10%, it is **35.9318, 18.8424, 31.9019**.

# Distribution



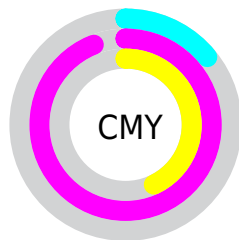
- Red (86%)
- Green (6%)
- Blue (57%)



- Red (86%)
- Yellow (6%)
- Blue (57%)



- Cyan (0%)
- Magenta (93%)
- Yellow (34%)
- Black (14%)




- Cyan (14%)
- Magenta (94%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7969, 17.6016, 28.3515 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 34.7969, 17.6016, 28.3515 by changing the saturation by 10% instead.





 34.7969, 17.6016,  
28.3515


 34.7969, 17.6016,  
28.3515


315.1947,  
238.6158, 308.1073


 23.6722, 10.6643,  
18.3494


 66.5071, 39.3573,  
58.0750


 15.2141, 5.8416,  
11.0291


 87.8234, 54.9445,  
78.6335


 9.0571, 2.7490,  
5.9720


 113.2676, 74.1838,  
103.5479

 4.8358, 1.0021,  
2.7596

 143.2050, 97.4596,  
133.2367

 2.1850, 0.0000,  
0.9732

 178.0011,  
125.1563, 168.1186

 0.7348, 0.0000,  
0.0000

 218.0212,

 0.0000, 0.0000,

157.6583, 208.6119

0.0000

263.6306,  
195.3500, 255.1353

■ 34.7969, 17.6016,  
28.3515

■ 34.7969, 17.6016,  
28.3515

■ 34.2121, 17.0944,  
26.1145

■ 35.9318, 18.8424,  
31.9019

■ 37.5228, 20.9237,  
35.8256

■ 39.6357, 23.9755,  
40.1489

■ 42.3245, 28.1049,  
44.8938

■ 45.6364, 33.4044,  
50.0801

■ 49.6132, 39.9568,  
55.7255

■ 54.2931, 47.8371,  
61.8467

■ 59.7114, 57.1146,  
68.4590

■ 65.9007, 67.8536,  
75.5771

# Harmonies

## Analogous

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



29.7526, 17.6016, 60.4275



34.7969, 17.6016, 28.3515



34.0535, 17.6016, 8.9259

# Triad

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



34.7969, 17.6016, 28.3515



12.6094, 17.6016, 0.6704



9.0052, 17.6016, 68.4933

# Complementary

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



34.7969, 17.6016, 28.3515



27.6376, 52.0271, 18.2656

# 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.



6.5798, 17.6016, 35.2185



34.7969, 17.6016, 28.3515



8.1997, 17.6016, 2.9124

# Square

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



34.7969, 17.6016, 28.3515



19.6880, 17.6016, 0.4910



6.3362, 17.6016, 12.2143



14.0838, 17.6016, 92.7069



# Rectangle

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



34.7969, 17.6016, 28.3515



30.4122, 17.6016, 3.3679



6.3362, 17.6016, 12.2143



7.9255, 17.6016, 57.2126

# Sweetspot

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



34.7974, 17.6026, 28.3518



72.4228, 61.0251, 81.9985



16.9987, 7.5251, 68.2669



14.9135, 12.0763, 16.7686



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.



34.7974, 17.6026, 28.3518



47.7343, 23.8577, 36.1286



30.1753, 15.7537, 4.0121



13.4017, 13.1898, 15.3767



20.1340, 10.0546, 15.6175



1.3453, 0.6678, 1.2272



# Inverse Universe

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



34.7974, 17.6026, 28.3518



47.7343, 23.8577, 36.1286



35.0038, 54.9736, 57.0555



13.4017, 13.1898, 15.3767



20.1340, 10.0546, 15.6175



1.3453, 0.6678, 1.2272



# Previews

## White Background



This preview shows how the XYZ color 34.7969, 17.6016, 28.3515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

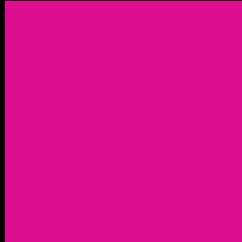
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.7969, 17.6016, 28.3515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

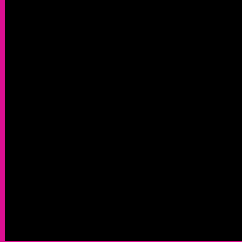
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.7969, 17.6016, 28.3515**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7969, 17.6016, 28.3515.



This preview shows how white text looks on a background with the XYZ color 34.7969, 17.6016,



# 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

34.7969, 17.6016, 28.3515

### Protanopia

20.2518, 18.2542, 60.8485

### Deuteranopia

18.3891, 18.0757, 25.4414



## Tritanopia

30.3797, 17.8101, 6.2514

# Trichromacy



## Original Color

34.7969, 17.6016, 28.3515



## Protanomaly

20.3498, 13.6419, 46.9080



## Deuteranomaly

21.3608, 14.6241, 26.1230



## Tritanomaly

31.3750, 17.1803, 11.7877

# Monochromacy



## Original Color

34.7969, 17.6016, 28.3515



## Achromatopsia

9.9438, 10.4616, 11.3927



## Achromatomaly

15.1280, 10.1060, 16.1922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7969, 17.6016, 28.3515 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(220, 15, 145)` looks like.

```
.text, #text, p{  
  color:rgb(220, 15, 145)  
}
```

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(220, 15, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 15, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7969, 17.6016, 28.3515 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(220, 15, 145) }
```



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

```
.border{ border-color:rgb(220, 15, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 15, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 15, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 15, 145);  
box-shadow:4px 4px 4px 4px rgb(220, 15,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7969, 17.6016, 28.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 15, 145) }
```

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

```
.background{ background-color: rgb(220, 15,  
145) }
```

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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