

# Converting Colors

XYZ(34.1914, 16.8868, 35.0100)

Have a look what the booklet for  
XYZ(34.1914, 16.8868, 35.0100)  
contains.

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# Color

**XYZ(34.1646, 16.8694,  
35.1736)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D600A1
RGB	214, 0, 161
RGB Percent	84%, 0%, 63%
CMY	0.1608, 0.9998, 0.3686
CMYK	0.00, 1.00, 0.25, 0.16
HSL	315°, 100%, 42%
HSV	315°, 100%, 84%
XYZ	34.1646, 16.8694, 35.1736
YIQ	82.3400, 75.8630, 95.4390

# Conversions

## Conversions Part 2

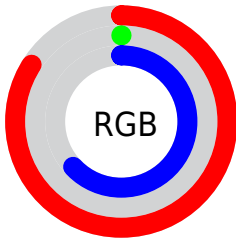
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 0, 161
Decimal	14024865
CIE <sub>Lab</sub>	48.10, 79.24, -26.72
CIE <sub>LCh</sub>	48, 83.621, 341.364
Yxy	16.8694, 0.3963, 0.1957
Android (android.graphics.Color)	4292214945 (0xFFD600A1)
YUV	82.3400, 38.7794, 115.4658
Hunter-Lab	41.0724, 76.6022, -22.0242

# Details

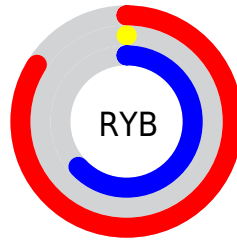
The XYZ color **34.1646, 16.8694, 35.1736** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.6907, 48.3510, 11.4045**, and the grayscale version is **8.0068, 8.4238, 9.1735**.

A 20% lighter version of the original color is **57.5490, 34.0466, 68.5042**, and **16.0867, 7.9742, 15.1593** is the 20% darker color. If you saturate the color by 10%, you get **34.1638, 16.8691, 35.1690**, and if you desaturate by 10%, it is **34.9186, 17.6131, 37.7807**.

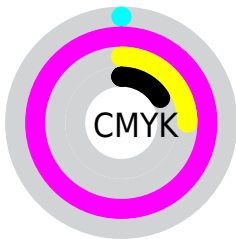
# Distribution



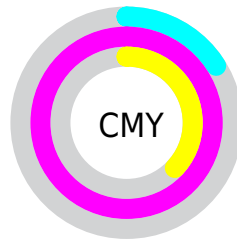
- Red (84%)
- Green (0%)
- Blue (63%)



- Red (84%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (16%)




- Cyan (16%)
- Magenta (100%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1646, 16.8694, 35.1736 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 34.1646, 16.8694, 35.1736 by changing the saturation by 10% instead.




 34.1646, 16.8694,  
35.1736


 34.1646, 16.8694,  
35.1736


312.4384,  
234.4186, 340.2614

 23.1836, 10.1414,  
23.5120


 65.5321, 38.1011,  
68.9092


 14.8506, 5.4928,  
14.7632


 86.6494, 53.3736,  
91.8204


 8.8002, 2.5392,  
8.5086


 111.8760, 72.2631,  
119.3184

 4.6672, 0.8962,  
4.3297

 141.5775, 95.1539,  
151.8219

 2.0861, 0.0000,  
1.8079

 176.1191,  
122.4305, 189.7494

 0.6816, 0.0000,  
0.4331

 215.8662,

 0.0000, 0.0000,

154.4772, 233.5195

0.0000

261.1842,  
191.6784, 283.5507

■ 34.1646, 16.8694,  
35.1736

■ 34.1646, 16.8694,  
35.1736

■ 34.1638, 16.8691,  
35.1690

■ 34.9186, 17.6131,  
37.7807

■ 35.9980, 18.9757,  
40.5951

■ 37.5049, 21.1607,  
43.6522

■ 39.4955, 24.2805,  
46.9717

■ 42.0175, 28.4297,  
50.5708

■ 45.1126, 33.6915,  
54.4643

■ 48.8182, 40.1404,  
58.6660

■ 53.1685, 47.8446,  
63.1881

■ 58.1951, 56.8668,  
68.0424

# Harmonies

## Analogous

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



27.7079, 16.8694, 70.7988



34.1646, 16.8694, 35.1736



34.9621, 16.8694, 11.3161

# Triad

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



34.1646, 16.8694, 35.1736



13.3328, 16.8694, 0.0658



7.4011, 16.8694, 61.9979

# Complementary

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



34.1646, 16.8694, 35.1736



24.6907, 48.3510, 11.4045

# 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.



5.5768, 16.8694, 27.8697



34.1646, 16.8694, 35.1736



8.2087, 16.8694, 1.4817

# Square

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



34.1646, 16.8694, 35.1736



21.1508, 16.8694, 0.2577



5.8165, 16.8694, 8.0059



11.8169, 16.8694, 92.9780



# Rectangle

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



34.1646, 16.8694, 35.1736



31.9553, 16.8694, 4.0910



5.8165, 16.8694, 8.0059



6.5383, 16.8694, 49.7388

# Sweetspot

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



34.1652, 16.8703, 35.1739



72.4077, 59.3592, 87.0362



13.4518, 5.5332, 63.9776



14.9742, 11.7889, 18.0489



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.



34.1652, 16.8703, 35.1739



50.7360, 25.0584, 51.9352



28.4731, 14.5935, 5.1997



12.8154, 12.5777, 14.9684



20.6931, 10.2136, 21.4857



1.2801, 0.6288, 1.4644



# Inverse Universe

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



34.1652, 16.8703, 35.1739



50.7360, 25.0584, 51.9352



30.1283, 50.5260, 40.0381



12.8154, 12.5777, 14.9684



20.6931, 10.2136, 21.4857



1.2801, 0.6288, 1.4644



# Previews

## White Background



This preview shows how the XYZ color 34.1646, 16.8694, 35.1736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

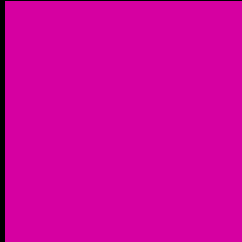
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1646, 16.8694, 35.1736 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 34.1646, 16.8694, 35.1736**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1646, 16.8694, 35.1736.



This preview shows how white text looks on a background with the XYZ color 34.1646, 16.8694,



# 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

34.1646, 16.8694, 35.1736

### Protanopia

20.9333, 17.7591, 76.4533

### Deuteranopia

17.9099, 17.5202, 31.7159



## Tritanopia

28.5228, 17.2257, 7.1318

# Trichromacy



## Original Color

34.1646, 16.8694, 35.1736



## Protanomaly

18.9780, 11.8694, 58.4175



## Deuteranomaly

20.3316, 13.3347, 32.5126



## Tritanomaly

29.6861, 16.1588, 13.8662

# Monochromacy



## Original Color

34.1646, 16.8694, 35.1736



## Achromatopsia

8.0200, 8.4376, 9.1886



## Achromatomaly

13.3032, 8.3495, 15.9494

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1646, 16.8694, 35.1736 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(214, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 161)  
}
```

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(214, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1646, 16.8694, 35.1736 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(214, 0, 161) }
```



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

```
.border{ border-color:rgb(214, 0, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1646, 16.8694, 35.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 161) }
```

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

```
.background{ background-color: rgb(214, 0,  
161) }
```

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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