

# Converting Colors

XYZ(34.0257, 17.2679, 13.9246)

Have a look what the booklet for  
XYZ(34.0257, 17.2679, 13.9246)  
contains.

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# Color

**XYZ(34.0275, 17.2705,  
13.8520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E30065
RGB	227, 0, 101
RGB Percent	89%, 0%, 40%
CMY	0.1098, 0.9998, 0.6039
CMYK	0.00, 1.00, 0.56, 0.11
HSL	333°, 100%, 45%
HSV	333°, 100%, 89%
XYZ	34.0275, 17.2705, 13.8520
YIQ	79.3870, 102.8710, 79.5350

# Conversions

## Conversions Part 2

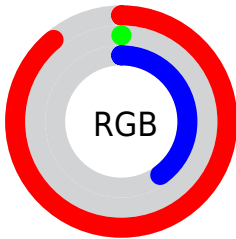
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 0, 101
Decimal	14876773
CIE Lab	48.60, 76.59, 10.79
CIE LCh	49, 77.344, 8.019
Yxy	17.2705, 0.5223, 0.2651
Android (android.graphics.Color)	4293066853 (0xFFE30065)
YUV	79.3870, 10.6552, 129.4566
Hunter-Lab	41.5578, 73.4296, 9.3280

# Details

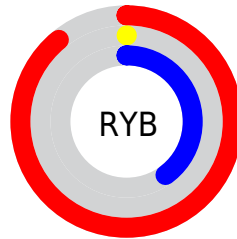
The XYZ color **34.0275, 17.2705, 13.8520** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **31.2389, 56.4459, 29.0051**, and the grayscale version is **7.4781, 7.8675, 8.5677**.

A 20% lighter version of the original color is **50.8218, 31.3557, 33.0794**, and **15.9994, 8.1683, 4.3478** is the 20% darker color. If you saturate the color by 10%, you get **34.0259, 17.2698, 13.8444**, and if you desaturate by 10%, it is **34.9946, 18.1397, 17.4583**.

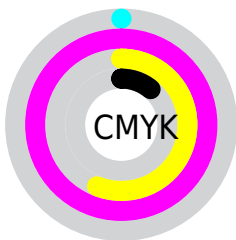
# Distribution



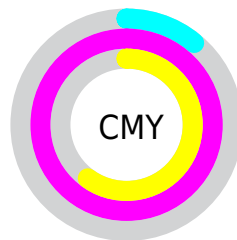
- Red (89%)
- Green (0%)
- Blue (40%)



- Red (89%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (11%)



- Cyan (11%)
- Magenta (100%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0275, 17.2705, 13.8520 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 34.0275, 17.2705, 13.8520 by changing the saturation by 10% instead.





 34.0275, 17.2705,  
13.8520


 34.0275, 17.2705,  
13.8520


311.8384,  
236.7264, 227.7045


 23.0777, 10.4275,  
7.8802


 65.3204, 38.7903,  
33.5395


 14.7719, 5.6833,  
3.9317


 86.3943, 54.2359,  
48.0924


 8.7447, 2.6535,  
1.5880


 111.5736, 73.3178,  
66.3426

 4.6308, 0.9536,  
0.2822

 141.2236, 96.4205,  
88.7089

 2.0648, 0.0000,  
0.0000

 175.7097,  
123.9283, 115.6097

 0.6700, 0.0000,  
0.0000

 215.3974,

 0.0000, 0.0000,

156.2256, 147.4635

0.0000

260.6518,  
193.6969, 184.6889

■ 34.0275, 17.2705,  
13.8520

■ 34.0275, 17.2705,  
13.8520

■ 34.0259, 17.2698,  
13.8444

■ 34.9946, 18.1397,  
17.4583

■ 36.4134, 19.7540,  
21.7021

■ 38.4010, 22.3421,  
26.6414

■ 41.0263, 26.0356,  
32.3168

■ 44.3476, 30.9457,  
38.7646

■ 48.4159, 37.1696,  
46.0180

■ 53.2777, 44.7946,  
54.1078

■ 58.9751, 53.9006,  
63.0630

■ 65.5473, 64.5613,  
72.9109

# Harmonies

## Analogous

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



32.6474, 17.2705, 37.6096



34.0275, 17.2705, 13.8520



29.7216, 17.2705, 3.5246

# Triad

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



34.0275, 17.2705, 13.8520



9.3492, 17.2705, 1.7472



11.8089, 17.2705, 83.5466

# Complementary

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



34.0275, 17.2705, 13.8520



31.2389, 56.4459, 29.0051

# 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.



7.8249, 17.2705, 54.7252



34.0275, 17.2705, 13.8520



6.7173, 17.2705, 7.6224

# Square

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



34.0275, 17.2705, 13.8520



14.5799, 17.2705, 0.5037



6.2540, 17.2705, 24.8161



18.3982, 17.2705, 90.3863



# Rectangle

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



34.0275, 17.2705, 13.8520



24.7781, 17.2705, 1.3053



6.2540, 17.2705, 24.8161



10.1838, 17.2705, 75.4502

# Sweetspot

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



34.0279, 17.2716, 13.8523



69.2104, 58.0803, 70.1997



22.3046, 9.8976, 73.4075



14.2134, 11.4846, 14.0423



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.



34.0279, 17.2716, 13.8523



44.2447, 22.4619, 17.7523



31.8030, 16.5796, 1.5255



14.6420, 14.4740, 16.3154



19.9009, 10.0946, 8.3728



1.5168, 0.7644, 0.8618



# Inverse Universe

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



34.0279, 17.2716, 13.8523



44.2447, 22.4619, 17.7523



38.3326, 54.4800, 81.1680



14.6420, 14.4740, 16.3154



19.9009, 10.0946, 8.3728



1.5168, 0.7644, 0.8618



# Previews

## White Background



This preview shows how the XYZ color 34.0275, 17.2705, 13.8520 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 34.0275, 17.2705, 13.8520 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 34.0275, 17.2705, 13.8520**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0275, 17.2705, 13.8520.



This preview shows how white text looks on a background with the XYZ color 34.0275, 17.2705,



# 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

34.0275, 17.2705, 13.8520

### Protanopia

17.9423, 17.9124, 30.1155

### Deuteranopia

18.1534, 17.9013, 12.6237



## Tritanopia

32.1763, 17.6716, 3.6345

# Trichromacy



## Original Color

34.0275, 17.2705, 13.8520



## Protanomaly

19.6149, 13.2816, 22.6489



## Deuteranomaly

20.9605, 14.0070, 12.4254



## Tritanomaly

32.5812, 17.2118, 6.1624

# Monochromacy



## Original Color

34.0275, 17.2705, 13.8520



## Achromatopsia

7.4317, 7.8187, 8.5146



## Achromatomaly

12.5338, 7.9559, 9.8919

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0275, 17.2705, 13.8520 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(227, 0, 101)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 101)  
}
```

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(227, 0, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0275, 17.2705, 13.8520 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(227, 0, 101) }
```



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

```
.border{ border-color:rgb(227, 0, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 101);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0275, 17.2705, 13.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 101) }
```

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

```
.background{ background-color: rgb(227, 0,  
101) }
```

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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