

# Converting Colors

XYZ(34.1466, 17.5049, 6.0431)

Have a look what the booklet for  
XYZ(34.1466, 17.5049, 6.0431)  
contains.

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# Color

**XYZ(34.1210, 17.4927,  
5.9929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8003D
RGB	232, 0, 61
RGB Percent	91%, 0%, 24%
CMY	0.0902, 0.9998, 0.7608
CMYK	0.00, 1.00, 0.74, 0.09
HSL	344°, 100%, 46%
HSV	344°, 100%, 91%
XYZ	34.1210, 17.4927, 5.9929
YIQ	76.3220, 118.6910, 68.1550

# Conversions

## Conversions Part 2

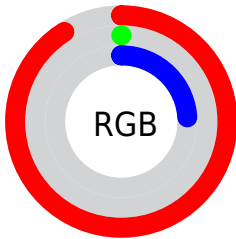
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 0, 61
Decimal	15204413
CIE Lab	48.87, 75.72, 35.78
CIE LCh	49, 83.749, 25.289
Yxy	17.4927, 0.5923, 0.3037
Android (android.graphics.Color)	4293394493 (0xFFE8003D)
YUV	76.3220, -7.5537, 136.5296
Hunter-Lab	41.8243, 72.4310, 20.7815

# Details

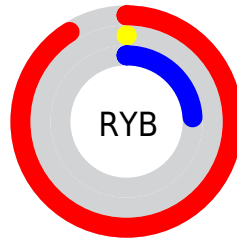
The XYZ color **34.1210, 17.4927, 5.9929** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.2130, 60.6555, 48.3543**, and the grayscale version is **6.9323, 7.2933, 7.9424**.

A 20% lighter version of the original color is **47.7739, 29.9970, 17.4594**, and **16.0626, 8.2660, 1.4107** is the 20% darker color. If you saturate the color by 10%, you get **34.1197, 17.4922, 5.9872**, and if you desaturate by 10%, it is **34.9689, 18.3302, 8.9223**.

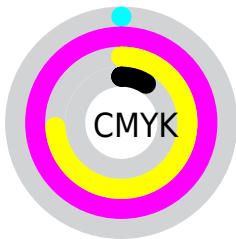
# Distribution



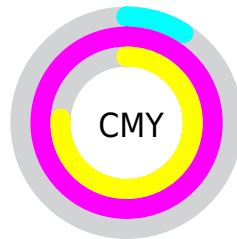
- Red (91%)
- Green (0%)
- Blue (24%)



- Red (91%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1210, 17.4927, 5.9929 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 34.1210, 17.4927, 5.9929 by changing the saturation by 10% instead.





 34.1210, 17.4927,  
5.9929


 34.1210, 17.4927,  
5.9929


312.2477,  
237.9959, 168.3117


 23.1499, 10.5864,  
2.7720


 65.4648, 39.1710,  
18.3936


 14.8255, 5.7895,  
0.9794


 86.5683, 54.7117,  
28.4105

 8.7826, 2.7175,  
0.0000


 111.7799, 73.8994,  
41.5298

 4.6556, 0.9861,  
0.0000

 141.4650, 97.1185,  
58.1701

 2.0793, 0.0000,  
0.0000

 175.9890,  
124.7532, 78.7499

 0.6779, 0.0000,  
0.0000

 215.7172,

 0.0000, 0.0000,

157.1881, 103.6877

0.0000

261.0150,  
194.8076, 133.4021

■ 34.1210, 17.4927,  
5.9929

■ 34.1210, 17.4927,  
5.9929

■ 34.1197, 17.4922,  
5.9872

■ 34.9689, 18.3302,  
8.9223

■ 36.3484, 19.9754,  
12.8160

■ 38.3892, 22.6698,  
17.7729

■ 41.1703, 26.5550,  
23.8699

■ 44.7591, 31.7507,  
31.1761

■ 49.2150, 38.3616,  
39.7548

■ 54.5917, 46.4819,  
49.6645

■ 60.9384, 56.1976,  
60.9600

■ 68.3008, 67.5883,  
73.6929

# Harmonies

## Analogous

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



36.4004, 17.4927, 22.7811



34.1210, 17.4927, 5.9929



26.6662, 17.4927, 1.0828

# Triad

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



34.1210, 17.4927, 5.9929



7.1215, 17.4927, 3.5952



15.4292, 17.4927, 101.4163

# Complementary

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



34.1210, 17.4927, 5.9929



36.2130, 60.6555, 48.3543

# 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.



9.4879, 17.4927, 80.3025



34.1210, 17.4927, 5.9929



5.7399, 17.4927, 15.7443

# Square

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



34.1210, 17.4927, 5.9929



11.0265, 17.4927, 0.5973



6.4468, 17.4927, 43.7913



23.8590, 17.4927, 89.8269



# Rectangle

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



34.1210, 17.4927, 5.9929



20.7158, 17.4927, 0.2282



6.4468, 17.4927, 43.7913



13.1139, 17.4927, 97.6286

# Sweetspot

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



34.1214, 17.4938, 5.9931



67.5226, 57.4051, 61.3117



31.1755, 14.3899, 77.4778



13.8194, 11.3270, 11.9680



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.



34.1214, 17.4938, 5.9931



42.2532, 21.6653, 7.2655



34.6061, 19.8105, 2.0014



14.5317, 14.4299, 15.7343



18.9862, 9.7287, 3.5561



1.4405, 0.7339, 0.4602



# Inverse Universe

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



34.1214, 17.4938, 5.9931



42.2532, 21.6653, 7.2655



30.4624, 37.6192, 81.9991



14.5317, 14.4299, 15.7343



18.9862, 9.7287, 3.5561



1.4405, 0.7339, 0.4602



# Previews

## White Background



This preview shows how the XYZ color 34.1210, 17.4927, 5.9929 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 34.1210, 17.4927, 5.9929 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 34.1210, 17.4927, 5.9929**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1210, 17.4927, 5.9929.



This preview shows how white text looks on a background with the XYZ color 34.1210, 17.4927,



# 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

34.1210, 17.4927, 5.9929

### Protanopia

16.9709, 18.1478, 12.5059

### Deuteranopia

18.3603, 18.0048, 5.3039



## Tritanopia

33.4038, 17.7247, 2.1909

# Trichromacy



## Original Color

34.1210, 17.4927, 5.9929



## Protanomaly

19.4811, 13.6107, 9.1898



## Deuteranomaly

21.2559, 14.2285, 4.9942



## Tritanomaly

33.4148, 17.4693, 3.0496

# Monochromacy



## Original Color

34.1210, 17.4927, 5.9929



## Achromatopsia

6.8694, 7.2272, 7.8704



## Achromatomaly

11.8671, 7.5554, 6.7941

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1210, 17.4927, 5.9929 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(232, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 61)  
}
```

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(232, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1210, 17.4927, 5.9929 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(232, 0, 61) }
```



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

```
.border{ border-color:rgb(232, 0, 61) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 61)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 34.1210, 17.4927, 5.9929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 61) }
```

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

```
.background{ background-color: rgb(232, 0,  
61) }
```

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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