

# Converting Colors

XYZ(34.6150, 17.7664, 5.1714)

Have a look what the booklet for  
XYZ(34.6150, 17.7664, 5.1714)  
contains.

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# Color

**XYZ(34.6213, 17.7683,  
5.2193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA0037
RGB	234, 0, 55
RGB Percent	92%, 0%, 22%
CMY	0.0824, 0.9998, 0.7843
CMYK	0.00, 1.00, 0.76, 0.08
HSL	346°, 100%, 46%
HSV	346°, 100%, 92%
XYZ	34.6213, 17.7683, 5.2193
YIQ	76.2360, 121.8090, 66.7130

# Conversions

## Conversions Part 2

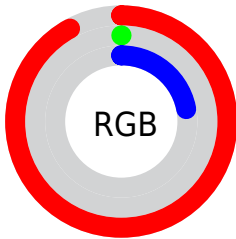
Format	Color
<a href="#">RYB</a>	234, 0, 55
Decimal	15335479
CIELab	49.21, 75.99, 39.79
CIELCh	49, 85.776, 27.635
Yxy	17.7683, 0.6010, 0.3084
Android (android.graphics.Color)	4293525559 (0xFFEA0037)
YUV	76.2360, -10.4693, 138.3590
Hunter-Lab	42.1525, 72.8415, 22.1655

# Details

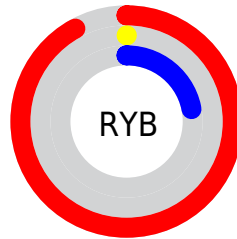
The XYZ color **34.6213, 17.7683, 5.2193** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **37.5659, 62.1027, 52.6858**, and the grayscale version is **6.9217, 7.2822, 7.9303**.

A 20% lighter version of the original color is **47.5526, 30.0480, 15.8639**, and **16.4348, 8.4641, 1.1483** is the 20% darker color. If you saturate the color by 10%, you get **34.6200, 17.7677, 5.2136**, and if you desaturate by 10%, it is **35.4465, 18.6033, 8.0093**.

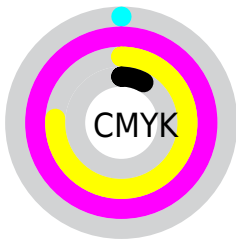
# Distribution



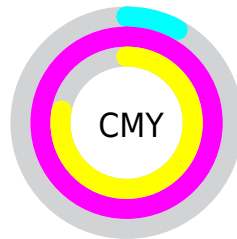
- Red (92%)
- Green (0%)
- Blue (22%)



- Red (92%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6213, 17.7683, 5.2193 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 34.6213, 17.7683, 5.2193 by changing the saturation by 10% instead.





 34.6213, 17.7683,  
5.2193

 34.6213, 17.7683,  
5.2193


314.4310,  
239.5618, 160.9425


 23.5365, 10.7838,  
2.3155


 66.2366, 39.6421,  
16.7364


 15.1130, 5.9216,  
0.7399


 87.4977, 55.3002,  
26.1867

 8.9856, 2.7975,  
0.0000


 112.8817, 74.6182,  
38.6563

 4.7888, 1.0269,  
0.0000

 142.7538, 97.9806,  
54.5638

 2.1574, 0.0000,  
0.0000

 177.4794,  
125.7718, 74.3276

 0.7201, 0.0000,  
0.0000

 217.4239,

 0.0000, 0.0000,

158.3761, 98.3663

0.0000

262.9527,  
196.1780, 127.0984

■ 34.6213, 17.7683,  
5.2193

■ 34.6213, 17.7683,  
5.2193

■ 34.6200, 17.7677,  
5.2136

■ 35.4465, 18.6033,  
8.0093

■ 36.8224, 20.2661,  
11.8254

■ 38.8828, 23.0031,  
16.7780

■ 41.7098, 26.9596,  
22.9538

■ 45.3737, 32.2583,  
30.4304

■ 49.9363, 39.0067,  
39.2788

■ 55.4537, 47.3015,  
49.5646

■ 61.9770, 57.2310,  
61.3489

■ 69.5538, 68.8765,  
74.6895

# Harmonies

## Analogous

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



37.5237, 17.7683, 21.2321



34.6213, 17.7683, 5.2193



26.5899, 17.7683, 0.8670

# Triad

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



34.6213, 17.7683, 5.2193



6.9063, 17.7683, 4.0063



16.2582, 17.7683, 105.8742

# Complementary

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



34.6213, 17.7683, 5.2193



37.5659, 62.1027, 52.6858

# 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.



9.8904, 17.7683, 86.0201



34.6213, 17.7683, 5.2193



5.6721, 17.7683, 17.5763

# Square

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



34.6213, 17.7683, 5.2193



10.6843, 17.7683, 0.6195



6.5607, 17.7683, 48.0081



25.1221, 17.7683, 91.0563



# Rectangle

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



34.6213, 17.7683, 5.2193



20.4200, 17.7683, 0.0745



6.5607, 17.7683, 48.0081



13.7891, 17.7683, 102.8313

# Sweetspot

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



34.6217, 17.7694, 5.2195



67.2770, 57.3069, 60.0186



32.6467, 15.1153, 79.0382



13.7627, 11.3043, 11.6690



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.



34.6217, 17.7694, 5.2195



42.0526, 21.5850, 6.2092



35.4724, 20.5737, 2.1032



15.2104, 15.1120, 16.3934



19.4951, 10.0007, 3.1424



1.5672, 0.7999, 0.4384



# Inverse Universe

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



34.6217, 17.7694, 5.2195



42.0526, 21.5850, 6.2092



30.2822, 36.8014, 83.3487



15.2104, 15.1120, 16.3934



19.4951, 10.0007, 3.1424



1.5672, 0.7999, 0.4384



# Previews

## White Background



This preview shows how the XYZ color 34.6213, 17.7683, 5.2193 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 34.6213, 17.7683, 5.2193 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 34.6213, 17.7683, 5.2193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6213, 17.7683, 5.2193.



This preview shows how white text looks on a background with the XYZ color 34.6213, 17.7683,



# 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

34.6213, 17.7683, 5.2193

### Protanopia

17.0602, 18.4074, 10.8374

### Deuteranopia

18.5181, 18.2662, 4.6476



## Tritanopia

33.9833, 17.9655, 2.0573

# Trichromacy



## Original Color

34.6213, 17.7683, 5.2193

## Protanomaly

19.7234, 13.8654, 7.9401

## Deuteranomaly

21.4009, 14.4157, 4.2393

## Tritanomaly

33.9847, 17.7491, 2.7333

# Monochromacy



## Original Color

34.6213, 17.7683, 5.2193

## Achromatopsia

6.8694, 7.2272, 7.8704

## Achromatomaly

11.7732, 7.5178, 6.2994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6213, 17.7683, 5.2193 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(234, 0, 55)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 55)  
}
```

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(234, 0, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 55) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6213, 17.7683, 5.2193 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(234, 0, 55) }
```



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

```
.border{ border-color:rgb(234, 0, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 0, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 55)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 34.6213, 17.7683, 5.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 55) }
```

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

```
.background{ background-color: rgb(234, 0,  
55) }
```

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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