

# Converting Colors

XYZ(34.5426, 20.8628, 7.8717)

Have a look what the booklet for  
XYZ(34.5426, 20.8628, 7.8717)  
contains.

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# Color

**XYZ(34.5663, 20.8547,  
7.8337)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E24545
RGB	226, 69, 69
RGB Percent	89%, 27%, 27%
CMY	0.1137, 0.7294, 0.7294
CMYK	0.00, 0.69, 0.69, 0.11
HSL	0°, 73%, 58%
HSV	0°, 69%, 89%
XYZ	34.5663, 20.8547, 7.8337
YIQ	115.9430, 93.5720, 33.2840

# Conversions

## Conversions Part 2

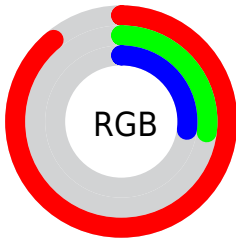
Format	Color
R <sub>Y</sub> B	226, 69, 69
Decimal	14828869
CIE Lab	52.79, 60.39, 35.42
CIE LCh	53, 70.009, 30.395
Yxy	20.8547, 0.5465, 0.3297
Android (android.graphics.Color)	4293018949 (0xFFE24545)
YUV	115.9430, -23.1429, 96.5200
Hunter-Lab	45.6669, 55.1934, 21.7963

# Details

The XYZ color **34.5663, 20.8547, 7.8337** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **43.3748, 61.1426, 81.4665**, and the grayscale version is **16.6329, 17.4991, 19.0565**.

A 20% lighter version of the original color is **51.9709, 37.4897, 21.6366**, and **15.2797, 7.8567, 1.6309** is the 20% darker color. If you saturate the color by 10%, you get **32.8581, 18.3555, 4.4375**, and if you desaturate by 10%, it is **37.0715, 24.5212, 12.8130**.

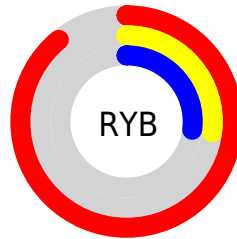
# Distribution



Red (89%)

Green (27%)

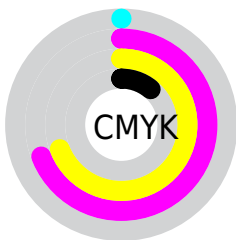
Blue (27%)



Red (89%)

Yellow (27%)

Blue (27%)

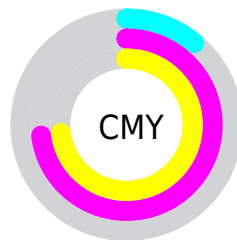


Cyan (0%)

Magenta (69%)

Yellow (69%)

Black (11%)



Cyan (11%)

Magenta (73%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5663, 20.8547, 7.8337 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 34.5663, 20.8547, 7.8337 by changing the saturation by 10% instead.




 34.5663, 20.8547,  
7.8337


 34.5663, 20.8547,  
7.8337


314.1915,  
256.5053, 184.3074


 23.4939, 13.0178,  
3.9025


 66.1518, 44.8456,  
22.1725

 15.0813, 7.4408,  
1.5720


 87.3957, 61.7684,  
33.4172


 8.9632, 3.7393,  
0.2707


 112.7607, 82.4887,  
47.9369

 4.7741, 1.5288,  
0.0000

 142.6123,  
107.3907, 66.1499

 2.1487, 0.3089,  
0.0000

 177.3159,  
136.8591, 88.4749

 0.7155, 0.0000,  
0.0000

217.2367,

 0.0000, 0.0000,

171.2780, 115.3305

0.0000

262.7401,  
211.0319, 147.1351

■ 34.5663, 20.8547,  
7.8337

■ 34.5663, 20.8547,  
7.8337

■ 32.8581, 18.3555,  
4.4375

■ 37.0715, 24.5212,  
12.8130

■ 31.8494, 16.8794,  
2.4327

■ 40.4533, 29.4697,  
19.5355


■ 31.3836, 16.1976,  
1.5068


■ 44.7830, 35.8053,  
28.1426


■ 31.3639, 16.1690,  
1.4679


■ 50.1244, 43.6214,  
38.7612

■ 56.5359, 53.0032,  
51.5069

 64.0711, 64.0293,  
66.4867

 72.7803, 76.7733,  
83.8006

 82.7106, 91.3040,  
103.5421

 85.1738, 94.9086,  
108.4378

# Harmonies

## Analogous

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



37.4376, 20.8547, 22.4314



34.5663, 20.8547, 7.8337



27.5986, 20.8547, 2.6193

# Triad

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



34.5663, 20.8547, 7.8337



9.9489, 20.8547, 8.0720



19.9186, 20.8547, 91.3206

# Complementary

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



34.5663, 20.8547, 7.8337



43.3748, 61.1426, 81.4665

# 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.



13.6631, 20.8547, 78.6800



34.5663, 20.8547, 7.8337



8.8358, 20.8547, 22.9853

# Square

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



34.5663, 20.8547, 7.8337



13.5328, 20.8547, 2.6854



10.0101, 20.8547, 49.7326



27.8079, 20.8547, 78.0476



# Rectangle

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



34.5663, 20.8547, 7.8337



22.2581, 20.8547, 1.6584



10.0101, 20.8547, 49.7326



17.5701, 20.8547, 89.9047

# Sweetspot

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



34.5668, 20.8559, 7.8340



72.8282, 67.4834, 64.7234



47.2193, 25.9159, 74.4644



15.0701, 13.6860, 12.8234



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.



34.5668, 20.8559, 7.8340



42.5597, 23.1914, 4.5525



42.9496, 37.6215, 10.6283



13.7074, 13.7007, 14.2288



17.8933, 9.2245, 0.8374



1.2403, 0.6394, 0.0581



# Inverse Universe

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



43.3748, 61.1426, 81.4665



54.8164, 79.2519, 107.0158



26.6932, 27.7794, 75.9060



14.1165, 15.5722, 17.6494



23.3447, 34.1589, 46.4113



1.6182, 2.3678, 3.2170



# Previews

## White Background



This preview shows how the XYZ color 34.5663, 20.8547, 7.8337 looks on a white 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



# Black Background



This preview shows how the XYZ color 34.5663, 20.8547, 7.8337 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 34.5663, 20.8547, 7.8337**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5663, 20.8547, 7.8337.



This preview shows how white text looks on a background with the XYZ color 34.5663, 20.8547,



# 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

34.5663, 20.8547, 7.8337

### Protanopia

19.4597, 20.8941, 12.6802

### Deuteranopia

21.2424, 20.8271, 7.1754



## Tritanopia

34.6619, 20.8929, 8.3367

# Trichromacy



## Original Color

34.5663, 20.8547, 7.8337

## Protanomaly

22.9368, 19.1474, 10.4696

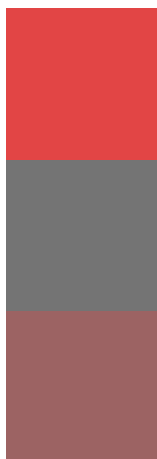
## Deuteranomaly

24.6069, 19.4900, 7.1676

## Tritanomaly

34.6295, 20.8799, 8.1663

# Monochromacy



## Original Color

34.5663, 20.8547, 7.8337

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

20.4243, 16.8925, 13.9885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5663, 20.8547, 7.8337 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(226, 69, 69)` looks like.

```
.text, #text, p{  
    color:rgb(226, 69, 69)  
}
```

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(226, 69, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 69, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5663, 20.8547, 7.8337 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(226, 69, 69) }
```



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

```
.border{ border-color:rgb(226, 69, 69) }
```

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

Here you see how a box with a 4 pixel rgb(226, 69, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 69, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 69, 69);  
box-shadow:4px 4px 4px 4px rgb(226, 69,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5663, 20.8547, 7.8337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 69, 69) }
```

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

```
.background{ background-color: rgb(226, 69,  
69) }
```

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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