

# Converting Colors

XYZ(34.7284, 20.7594, 7.5020)

Have a look what the booklet for  
XYZ(34.7284, 20.7594, 7.5020)  
contains.

<b>XYZ(34.6988, 20.7505, 7.4866)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.6988, 20.7505,  
7.4866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E34343
RGB	227, 67, 67
RGB Percent	89%, 26%, 26%
CMY	0.1098, 0.7372, 0.7373
CMYK	0.00, 0.70, 0.70, 0.11
HSL	0°, 74%, 58%
HSV	0°, 70%, 89%
XYZ	34.6988, 20.7505, 7.4866
YIQ	114.8400, 95.3600, 33.9200

# Conversions

## Conversions Part 2

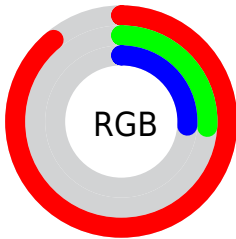
Format	Color
<b>RYB</b>	227, 67, 67
Decimal	14893891
CIELab	52.68, 61.34, 36.47
CIElCh	53, 71.360, 30.735
Yxy	20.7505, 0.5513, 0.3297
Android (android.graphics.Color)	4293083971 (0xFFE34343)
YUV	114.8400, -23.5851, 98.3643
Hunter-Lab	45.5527, 56.2513, 22.1426

# Details

The XYZ color **34.6988, 20.7505, 7.4866** 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 **43.6456, 61.6709, 82.2757**, and the grayscale version is **16.2975, 17.1463, 18.6723**.

A 20% lighter version of the original color is **51.6681, 37.1650, 20.6700**, and **15.4645, 7.9544, 1.5309** is the 20% darker color. If you saturate the color by 10%, you get **33.0510, 18.3397, 4.2106**, and if you desaturate by 10%, it is **37.1428, 24.3274, 12.3442**.

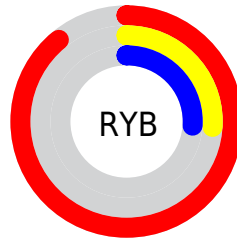
# Distribution



Red (89%)

Green (26%)

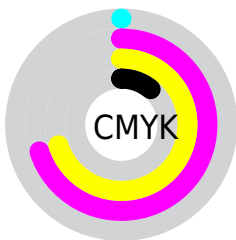
Blue (26%)



Red (89%)

Yellow (26%)

Blue (26%)

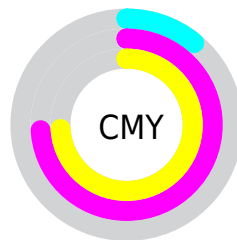


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (11%)



Cyan (11%)

Magenta (74%)


Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6988, 20.7505, 7.4866 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 34.6988, 20.7505, 7.4866 by changing the saturation by 10% instead.




 34.6988, 20.7505,  
7.4866


 34.6988, 20.7505,  
7.4866


314.7682,  
255.9496, 181.4294


 23.5964, 12.9417,  
3.6852


 66.3560, 44.6719,  
21.4749

 15.1576, 7.3884,  
1.4543


 87.6415, 61.5534,  
32.4990

 9.0171, 3.7062,  
0.1835


 113.0520, 82.2279,  
46.7677

 4.8095, 1.5106,  
0.0000

 142.9530,  
107.0798, 64.6995

 2.1696, 0.2962,  
0.0000

 177.7098,  
136.4935, 86.7131

 0.7266, 0.0000,  
0.0000

217.6876,

 0.0000, 0.0000,

170.8535, 113.2269

0.0000

263.2520,  
210.5440, 144.6595

■ 34.6988, 20.7505,  
7.4866

■ 34.6988, 20.7505,  
7.4866

■ 33.0510, 18.3397,  
4.2106

■ 37.1428, 24.3274,  
12.3442

■ 32.0989, 16.9464,  
2.3182


■ 40.4646, 29.1882,  
18.9476


■ 31.6784, 16.3311,  
1.4826


■ 44.7374, 35.4406,  
27.4415


■ 50.0263, 43.1798,  
37.9556

■ 56.3906, 52.4926,  
50.6077

 63.8853, 63.4593,  
65.5068

 72.5612, 76.1547,  
82.7545

 82.4665, 90.6487,  
102.4462

 85.4883, 95.0708,  
108.4525

# Harmonies

## Analogous

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



37.6995, 20.7505, 22.0735



34.6988, 20.7505, 7.4866



27.5494, 20.7505, 2.4099

# Triad

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



34.6988, 20.7505, 7.4866



9.7129, 20.7505, 7.9299



19.9064, 20.7505, 93.0006

# Complementary

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



34.6988, 20.7505, 7.4866



43.6456, 61.6709, 82.2757

# 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.



13.5394, 20.7505, 80.2500



34.6988, 20.7505, 7.4866



8.6219, 20.7505, 23.1221

# Square

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



34.6988, 20.7505, 7.4866



13.2942, 20.7505, 2.5297



9.8275, 20.7505, 50.5619



27.9476, 20.7505, 79.0357



# Rectangle

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



34.6988, 20.7505, 7.4866



22.1094, 20.7505, 1.5030



9.8275, 20.7505, 50.5619



17.5143, 20.7505, 91.6472

# Sweetspot

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



34.6993, 20.7517, 7.4869



72.8282, 67.4834, 64.7234



47.5505, 25.8911, 75.1637



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.



34.6993, 20.7517, 7.4869



42.2955, 22.8048, 4.0275



43.1251, 37.6034, 10.2955



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639



# Inverse Universe

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



43.6456, 61.6709, 82.2757



54.6138, 79.1472, 107.0062



26.6135, 27.6067, 76.5984



14.8074, 16.3363, 18.5171



24.1038, 35.2696, 47.9205



1.7812, 2.6064, 3.5412



# Previews

## White Background



This preview shows how the XYZ color 34.6988, 20.7505, 7.4866 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 34.6988, 20.7505, 7.4866 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 34.6988, 20.7505, 7.4866**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6988, 20.7505, 7.4866.



This preview shows how white text looks on a background with the XYZ color 34.6988, 20.7505,

7.4866.

# 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

34.6988, 20.7505, 7.4866

### Protanopia

19.3756, 20.8605, 12.2378

### Deuteranopia

21.1905, 20.8063, 6.9022



## Tritanopia

34.7912, 20.7874, 7.9730

# Trichromacy



## Original Color

34.6988, 20.7505, 7.4866

## Protanomaly

22.8617, 19.1174, 10.0745

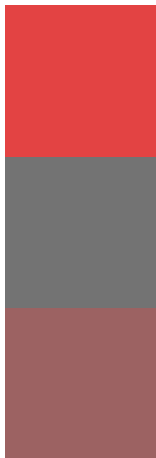
## Deuteranomaly

24.7874, 19.5894, 6.8896

## Tritanomaly

34.7599, 20.7749, 7.8081

# Monochromacy



## Original Color

34.6988, 20.7505, 7.4866

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

20.2826, 16.6851, 13.7068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6988, 20.7505, 7.4866 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, 67, 67)` looks like.

```
.text, #text, p{  
    color:rgb(227, 67, 67)  
}
```

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, 67, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 67, 67) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6988, 20.7505, 7.4866 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, 67, 67) }
```



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

```
.border{ border-color:rgb(227, 67, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 67, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 67, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 67, 67);  
box-shadow:4px 4px 4px 4px rgb(227, 67,  
67) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6988, 20.7505, 7.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 67, 67) }
```

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

```
.background{ background-color: rgb(227, 67,  
67) }
```

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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