

# Converting Colors

XYZ(36.1118, 21.3652, 10.9117)

Have a look what the booklet for  
XYZ(36.1118, 21.3652, 10.9117)  
contains.

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# Color

**XYZ(35.9599, 21.3282,  
10.8158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E54355
RGB	229, 67, 85
RGB Percent	90%, 26%, 33%
CMY	0.1020, 0.7372, 0.6667
CMYK	0.00, 0.71, 0.63, 0.10
HSL	353°, 76%, 58%
HSV	353°, 71%, 90%
XYZ	35.9599, 21.3282, 10.8158
YIQ	117.4900, 90.7740, 39.9420

# Conversions

## Conversions Part 2

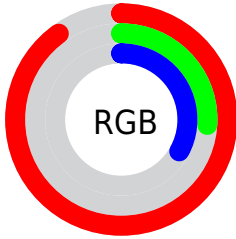
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 67, 85
Decimal	15024981
CIE <sub>Lab</sub>	53.31, 62.89, 26.87
CIE <sub>LCh</sub>	53, 68.392, 23.133
Yxy	21.3282, 0.5280, 0.3132
Android (android.graphics.Color)	4293215061 (0xFFE54355)
YUV	117.4900, -16.0176, 97.7943
Hunter-Lab	46.1825, 58.1694, 18.4422

# Details

The XYZ color **35.9599, 21.3282, 10.8158** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **42.0937, 61.9355, 71.3708**, and the grayscale version is **17.0905, 17.9806, 19.5808**.

A 20% lighter version of the original color is **52.9468, 37.6765, 27.4034**, and **16.1089, 8.2602, 2.7528** is the 20% darker color. If you saturate the color by 10%, you get **34.1615, 18.8451, 6.7841**, and if you desaturate by 10%, it is **38.5298, 24.9826, 16.2525**.

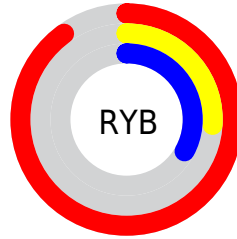
# Distribution



Red (90%)

Green (26%)

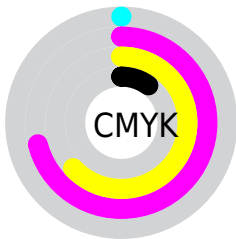
Blue (33%)



Red (90%)

Yellow (26%)

Blue (33%)

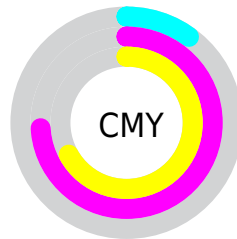


Cyan (0%)

Magenta (71%)

Yellow (63%)

Black (10%)



Cyan (10%)

Magenta (74%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9599, 21.3282, 10.8158 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 35.9599, 21.3282, 10.8158 by changing the saturation by 10% instead.




 35.9599, 21.3282,  
10.8158


 35.9599, 21.3282,  
10.8158


320.2195,  
259.0176, 207.0913


 24.5732, 13.3641,  
5.8305


 68.2944, 45.6331,  
27.9505

 15.8864, 7.6798,  
2.6752


 89.9730, 62.7427,  
40.9369


 9.5341, 3.8907,  
0.9309


 115.8129, 83.6697,  
57.4275

 5.1511, 1.6126,  
0.0000

 146.1794,  
108.7983, 77.8408

 2.3718, 0.3661,  
0.0000

 181.4380,  
138.5130, 102.5952

 0.8310, 0.0000,  
0.0000

221.9540,

 0.0000, 0.0000,

173.1982, 132.1094

0.0000

268.0927,  
213.2382, 166.8020

■ 35.9599, 21.3282,  
10.8158

■ 35.9599, 21.3282,  
10.8158

■ 34.1615, 18.8451,  
6.7841

■ 38.5298, 24.9826,  
16.2525

■ 33.0450, 17.3860,  
4.0254


■ 41.9444, 29.9251,  
23.2075

■ 32.4930, 16.7299,  
2.4609

■ 46.2702, 36.2625,  
31.7838


■ 51.5665, 44.0895,  
42.0748

■ 57.8874, 53.4925,  
54.1671

 65.2833, 64.5512,  
68.1411

 73.8011, 77.3399,  
84.0726

 83.4848, 91.9285,  
102.0330

 86.1229, 95.3979,  
108.4822

# Harmonies

## Analogous

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



37.4748, 21.3282, 28.3238



35.9599, 21.3282, 10.8158



29.8248, 21.3282, 3.6997

# Triad

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



35.9599, 21.3282, 10.8158



11.0486, 21.3282, 6.5744



18.6523, 21.3282, 89.5675

# Complementary

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



35.9599, 21.3282, 10.8158



42.0937, 61.9355, 71.3708

# 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.



13.0135, 21.3282, 71.9602



35.9599, 21.3282, 10.8158



9.3526, 21.3282, 18.7742

# Square

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



35.9599, 21.3282, 10.8158



15.2791, 21.3282, 2.4681



9.9747, 21.3282, 42.6748



26.2485, 21.3282, 82.5760



# Rectangle

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



35.9599, 21.3282, 10.8158



24.5858, 21.3282, 2.1485



9.9747, 21.3282, 42.6748



16.4945, 21.3282, 86.0981

# Sweetspot

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



35.9604, 21.3294, 10.8161



73.5428, 67.7678, 68.4906



42.7576, 23.3892, 76.3892



15.2358, 13.7520, 13.6971



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.



35.9604, 21.3294, 10.8161



42.8195, 23.0136, 6.7889



41.1906, 32.7919, 9.4705



14.4417, 14.3939, 15.2606



18.5997, 9.5741, 1.5213



1.3963, 0.7162, 0.2273



# Inverse Universe

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



35.9604, 21.3294, 10.8161



42.8195, 23.0136, 6.7889



30.2594, 34.4530, 79.1834



14.4417, 14.3939, 15.2606



18.5997, 9.5741, 1.5213



1.3963, 0.7162, 0.2273



# Previews

## White Background



This preview shows how the XYZ color 35.9599, 21.3282, 10.8158 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 35.9599, 21.3282, 10.8158 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 35.9599, 21.3282, 10.8158**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9599, 21.3282, 10.8158.



This preview shows how white text looks on a background with the XYZ color 35.9599, 21.3282,



# 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

35.9599, 21.3282, 10.8158

### Protanopia

20.2901, 21.3948, 18.0991

### Deuteranopia

21.8167, 21.4235, 10.0065



## Tritanopia

35.3256, 21.2313, 8.5395

# Trichromacy



## Original Color

35.9599, 21.3282, 10.8158

## Protanomaly

23.8120, 19.4975, 15.0787

## Deuteranomaly

25.4907, 20.0270, 10.1115

## Tritanomaly

35.4016, 21.1640, 9.2404

# Monochromacy



## Original Color

35.9599, 21.3282, 10.8158

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

21.1122, 17.2127, 15.5743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9599, 21.3282, 10.8158 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(229, 67, 85)` looks like.

```
.text, #text, p{  
    color:rgb(229, 67, 85)  
}
```

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(229, 67, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 67, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9599, 21.3282, 10.8158 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(229, 67, 85) }
```



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

```
.border{ border-color:rgb(229, 67, 85) }
```

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

Here you see how a box with a 4 pixel rgb(229, 67, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 67, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 67, 85);  
box-shadow:4px 4px 4px 4px rgb(229, 67,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9599, 21.3282, 10.8158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 67, 85) }
```

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

```
.background{ background-color: rgb(229, 67,  
85) }
```

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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