

# Converting Colors

XYZ(32.9407, 21.7702, 11.2898)

Have a look what the booklet for  
XYZ(32.9407, 21.7702, 11.2898)  
contains.

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# Color

**XYZ(33.0318, 21.7745,  
11.2660)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D75656
RGB	215, 86, 86
RGB Percent	84%, 34%, 34%
CMY	0.1569, 0.6627, 0.6627
CMYK	0.00, 0.60, 0.60, 0.16
HSL	0°, 62%, 59%
HSV	0°, 60%, 84%
XYZ	33.0318, 21.7745, 11.2660
YIQ	124.5710, 76.8840, 27.3480

# Conversions

## Conversions Part 2

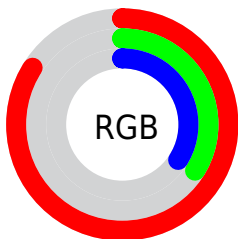
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 86, 86
Decimal	14112342
CIE Lab	53.79, 50.73, 26.43
CIE LCh	54, 57.201, 27.519
Yxy	21.7745, 0.4999, 0.3296
Android (android.graphics.Color)	4292302422 (0xFFD75656)
YUV	124.5710, -19.0155, 79.3062
Hunter-Lab	46.6632, 44.6956, 18.3497

# Details

The XYZ color **33.0318, 21.7745, 11.2660** 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 **40.4020, 55.4817, 72.8692**, and the grayscale version is **19.3934, 20.4034, 22.2193**.

A 20% lighter version of the original color is **55.0620, 41.7937, 28.4575**, and **14.1419, 7.8606, 2.8697** is the 20% darker color. If you saturate the color by 10%, you get **30.8261, 18.5474, 6.8808**, and if you desaturate by 10%, it is **36.0151, 26.1404, 17.1958**.

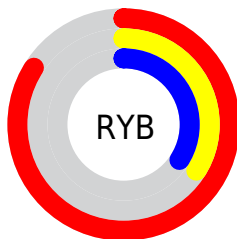
# Distribution



Red (84%)

Green (34%)

Blue (34%)



Red (84%)

Yellow (34%)

Blue (34%)

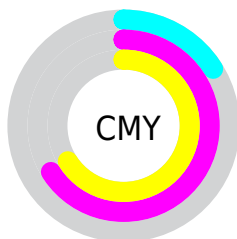


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (16%)



Cyan (16%)

Magenta (66%)


Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0318, 21.7745, 11.2660 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 33.0318, 21.7745, 11.2660 by changing the saturation by 10% instead.





 33.0318, 21.7745,  
11.2660


 33.0318, 21.7745,  
11.2660


307.4555,  
261.3664, 210.2860


 22.3102, 13.6913,  
6.1296


 63.7795, 46.3730,  
28.7951

 14.2029, 7.9063,  
2.8540


 84.5363, 63.6571,  
42.0250


 8.3445, 4.0350,  
1.0206

 109.3689, 84.7770,  
58.7897

 4.3698, 1.6932,  
0.0000

 138.6425,  
110.1170, 79.5079

 1.9134, 0.4192,  
0.0000

 172.7227,  
140.0615, 104.5981

 0.5846, 0.0000,  
0.0000

211.9746,

 0.0000, 0.0000,

174.9950, 134.4788

0.0000

256.7638,  
215.3018, 169.5686

■ 33.0318, 21.7745,  
11.2660

■ 33.0318, 21.7745,  
11.2660

■ 30.8261, 18.5474,  
6.8808

■ 36.0151, 26.1404,  
17.1958

■ 29.3245, 16.3499,  
3.8958

■ 39.8376, 31.7339,  
24.7946

■ 28.4419, 15.0583,  
2.1416

■ 44.5565, 38.6391,  
34.1756

■ 28.0243, 14.4473,  
1.3116

■ 50.2237, 46.9317,  
45.4416

■ 28.0243, 14.4473,  
1.3116

■ 56.8868, 56.6817,  
58.6876

■ 64.5905, 67.9543,  
74.0024

■ 73.3766, 80.8109,  
91.4692

■ 81.8342, 93.1870,  
108.2815

# Harmonies

## Analogous

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



34.8743, 21.7745, 25.2027



33.0318, 21.7745, 11.2660



27.7058, 21.7745, 5.0948

# Triad

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



33.0318, 21.7745, 11.2660



12.2486, 21.7745, 9.7917



20.1892, 21.7745, 76.0747

# Complementary

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



33.0318, 21.7745, 11.2660



40.4020, 55.4817, 72.8692

# 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.



14.9811, 21.7745, 65.2004



33.0318, 21.7745, 11.2660



10.9995, 21.7745, 22.2750

# Square

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



33.0318, 21.7745, 11.2660



15.7061, 21.7745, 4.5875



11.8918, 21.7745, 43.0148



26.6445, 21.7745, 68.1157



# Rectangle

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



33.0318, 21.7745, 11.2660



23.3539, 21.7745, 3.6476



11.8918, 21.7745, 43.0148



18.2479, 21.7745, 74.4175

# Sweetspot

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



33.0323, 21.7757, 11.2664



75.5866, 71.5197, 70.2074



43.6177, 26.0089, 67.0109



15.6055, 14.4695, 13.8879



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.



33.0323, 21.7757, 11.2664



44.6696, 26.2789, 8.7468



40.6902, 37.0915, 13.8190



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473



# Inverse Universe

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



40.4020, 55.4817, 72.8692



56.4347, 80.0883, 107.0919



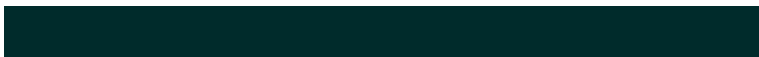
27.0898, 28.8574, 68.4319



12.7922, 14.1078, 15.9864



21.8692, 32.0002, 43.4772



1.3191, 1.9301, 2.6223



# Previews

## White Background



This preview shows how the XYZ color 33.0318, 21.7745, 11.2660 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 33.0318, 21.7745, 11.2660 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 33.0318, 21.7745, 11.2660

## Background



This preview shows how black text looks on a background with the XYZ color 33.0318, 21.7745, 11.2660.



This preview shows how white text looks on a background with the XYZ color 33.0318, 21.7745,



# 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

33.0318, 21.7745, 11.2660

### Protanopia

20.6655, 22.0184, 16.2575

### Deuteranopia

22.2412, 21.8130, 10.6275



## Tritanopia

33.1612, 21.6994, 12.3381

# Trichromacy



## Original Color

33.0318, 21.7745, 11.2660

## Protanomaly

23.5798, 20.6727, 14.0567

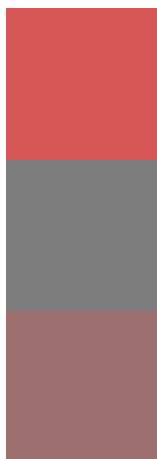
## Deuteranomaly

25.2304, 21.1082, 10.7271

## Tritanomaly

33.0760, 21.6653, 11.8897

# Monochromacy



## Original Color

33.0318, 21.7745, 11.2660

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

22.6542, 19.7857, 17.6639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.0318, 21.7745, 11.2660 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(215, 86, 86)` looks like.

```
.text, #text, p{  
    color:rgb(215, 86, 86)  
}
```

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(215, 86, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 86, 86) }
```

## Border

The CSS property to change the border of an element to XYZ 33.0318, 21.7745, 11.2660 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(215, 86, 86) }
```



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

```
.border{ border-color:rgb(215, 86, 86) }
```

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

Here you see how a box with a 4 pixel rgb(215, 86, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 86, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 86, 86);  
box-shadow:4px 4px 4px 4px rgb(215, 86,  
86) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.0318, 21.7745, 11.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 86, 86) }
```

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

```
.background{ background-color: rgb(215, 86,  
86) }
```

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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