

# Converting Colors

XYZ(30.9358, 21.4061, 12.6265)

Have a look what the booklet for  
XYZ(30.9358, 21.4061, 12.6265)  
contains.

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# Color

**XYZ(30.9358, 21.4061,  
12.6265)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD5C5C
RGB	205, 92, 92
RGB Percent	80%, 36%, 36%
CMY	0.1961, 0.6392, 0.6392
CMYK	0.00, 0.55, 0.55, 0.20
HSL	0°, 53%, 58%
HSV	0°, 55%, 80%
XYZ	30.9358, 21.4061, 12.6265
YIQ	125.7870, 67.3480, 23.9560

# Conversions

## Conversions Part 2

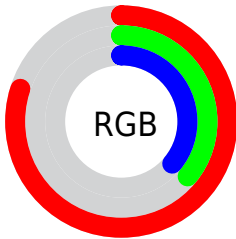
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 92, 92
Decimal	13458524
CIE <sub>Lab</sub>	53.39, 44.84, 22.11
CIE <sub>LCh</sub>	53, 49.992, 26.249
Yxy	21.4061, 0.4762, 0.3295
Android (android.graphics.Color)	4291648604 (0xFFCD5C5C)
YUV	125.7870, -16.6570, 69.4698
Hunter-Lab	46.2667, 38.3855, 16.2061

# Details

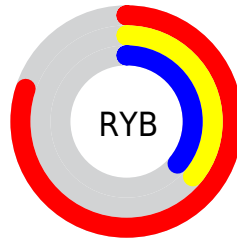
The XYZ color **30.9358, 21.4061, 12.6265** is a dark color, and the websafe version is hex **CC6666**, and the color name is **indian red**. The color can be described as dark muted red. A complement of this color would be **37.2631, 50.3430, 65.5108**, and the grayscale version is **19.7983, 20.8293, 22.6831**.

A 20% lighter version of the original color is **56.2479, 43.4638, 31.0159**, and **13.0727, 7.7593, 3.3935** is the 20% darker color. If you saturate the color by 10%, you get **28.6159, 18.0118, 8.0142**, and if you desaturate by 10%, it is **33.9795, 25.8604, 18.6764**.

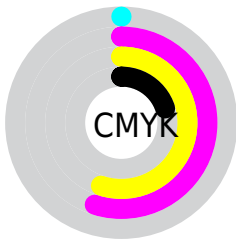
# Distribution



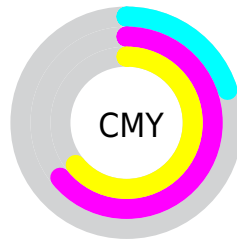
- Red (80%)
- Green (36%)
- Blue (36%)



- Red (80%)
- Yellow (36%)
- Blue (36%)



- Cyan (0%)
- Magenta (55%)
- Yellow (55%)
- Black (20%)




- Cyan (20%)
- Magenta (64%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9358, 21.4061, 12.6265 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 30.9358, 21.4061, 12.6265 by changing the saturation by 10% instead.





 30.9358, 21.4061,  
12.6265


 30.9358, 21.4061,  
12.6265


298.0746,  
259.4289, 219.6330


 20.7016, 13.4212,  
7.0442


 60.5155, 45.7624,  
31.3124

 13.0172, 7.7192,  
3.4109


 80.5917, 62.9026,  
45.2531

 7.5175, 3.9158,  
1.3081


 104.6792, 83.8633,  
62.8169

 3.8370, 1.6266,  
0.0684

 133.1435,  
109.0290, 84.4225

 1.6103, 0.3754,  
0.0000

166.3498,  
138.7840, 110.4884

 0.3991, 0.0000,  
0.0000

204.6635,

 0.0000, 0.0000,

173.5127, 141.4330

0.0000

248.4500,  
213.5995, 177.6751

■ 30.9358, 21.4061,  
12.6265

■ 30.9358, 21.4061,  
12.6265

■ 28.6159, 18.0118,  
8.0142

■ 33.9795, 25.8604,  
18.6764

■ 26.9586, 15.5865,  
4.7197

■ 37.7986, 31.4489,  
26.2686

■ 25.8949, 14.0300,  
2.6053

■ 42.4418, 38.2432,  
35.4990

■ 25.3403, 13.2184,  
1.5030

■ 47.9534, 46.3081,  
46.4557

■ 25.1769, 12.9794,  
1.1783

■ 54.3743, 55.7038,  
59.2203

■ 61.7431, 66.4864,  
73.8694

■ 70.0961, 78.7092,  
90.4750

■ 78.9868, 91.7191,  
108.1483

# Harmonies

## Analogous

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



32.3181, 21.4061, 25.2717



30.9358, 21.4061, 12.6265



26.5564, 21.4061, 6.4772

# Triad

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



30.9358, 21.4061, 12.6265



12.9876, 21.4061, 10.5518



19.6857, 21.4061, 66.3080

# Complementary

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



30.9358, 21.4061, 12.6265



37.2631, 50.3430, 65.5108

# 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.



15.1879, 21.4061, 57.0181



30.9358, 21.4061, 12.6265



11.7693, 21.4061, 21.4480

# Square

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



30.9358, 21.4061, 12.6265



16.1592, 21.4061, 5.6969



12.4991, 21.4061, 38.7648



25.1996, 21.4061, 60.5591



# Rectangle

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



30.9358, 21.4061, 12.6265



22.8685, 21.4061, 4.8880



12.4991, 21.4061, 38.7648



18.0159, 21.4061, 64.7645

# Sweetspot

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



30.9363, 21.4073, 12.6269



76.5362, 72.9091, 72.0951



40.0235, 25.0413, 60.4816



15.9768, 15.0128, 14.6261



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.



30.9363, 21.4073, 12.6269



46.3327, 28.7125, 12.0528



37.7772, 35.0890, 14.9072



11.2124, 11.2138, 11.6530



15.6736, 8.0802, 0.7335



0.8086, 0.4169, 0.0378



# Inverse Universe

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



37.2631, 50.3430, 65.5108



57.7098, 80.7464, 107.1517



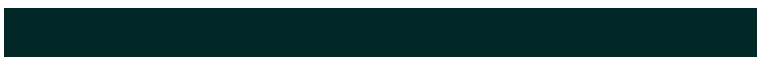
26.1017, 28.0202, 61.7903



11.5433, 12.7270, 14.4185



20.4493, 29.9226, 40.6541



1.0550, 1.5437, 2.0973



# Previews

## White Background



This preview shows how the XYZ color 30.9358, 21.4061, 12.6265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

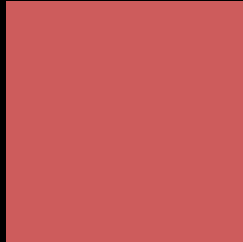
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.9358, 21.4061, 12.6265 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 30.9358, 21.4061, 12.6265**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9358, 21.4061, 12.6265.



This preview shows how white text looks on a background with the XYZ color 30.9358, 21.4061,



# 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

30.9358, 21.4061, 12.6265

### Protanopia

20.4176, 21.6719, 17.2943

### Deuteranopia

21.9401, 21.6263, 12.0348



## Tritanopia

31.0756, 21.3244, 13.7874

# Trichromacy



## Original Color

30.9358, 21.4061, 12.6265

## Protanomaly

23.0262, 20.6944, 15.3512

## Deuteranomaly

24.6106, 21.0803, 12.2230

## Tritanomaly

30.9835, 21.2875, 13.3024

# Monochromacy



## Original Color

30.9358, 21.4061, 12.6265

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

22.5721, 20.2181, 18.6324

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9358, 21.4061, 12.6265 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(205, 92, 92)` looks like.

```
.text, #text, p{  
  color:rgb(205, 92, 92)  
}
```

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(205, 92, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 92, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9358, 21.4061, 12.6265 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(205, 92, 92) }
```



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

```
.border{ border-color:rgb(205, 92, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 92, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 92, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 92, 92);  
box-shadow:4px 4px 4px 4px rgb(205, 92,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9358, 21.4061, 12.6265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 92, 92) }
```

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

```
.background{ background-color: rgb(205, 92,  
92) }
```

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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