

# Converting Colors

XYZ(31.3549, 21.4441, 15.6851)

Have a look what the booklet for  
XYZ(31.3549, 21.4441, 15.6851)  
contains.

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# Color

**XYZ(31.4166, 21.4608,  
15.5832)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD5B68
RGB	205, 91, 104
RGB Percent	80%, 36%, 41%
CMY	0.1961, 0.6431, 0.5922
CMYK	0.00, 0.56, 0.49, 0.20
HSL	353°, 53%, 58%
HSV	353°, 56%, 80%
XYZ	31.4166, 21.4608, 15.5832
YIQ	126.5680, 63.7710, 28.2110

# Conversions

## Conversions Part 2

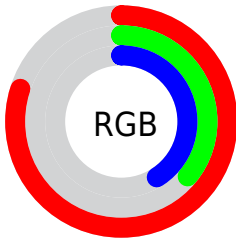
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 91, 104
Decimal	13458280
CIE Lab	53.45, 46.35, 15.13
CIE LCh	53, 48.760, 18.072
Yxy	21.4608, 0.4589, 0.3135
Android (android.graphics.Color)	4291648360 (0xFFCD5B68)
YUV	126.5680, -11.1260, 68.7849
Hunter-Lab	46.3258, 39.9825, 12.4839

# Details

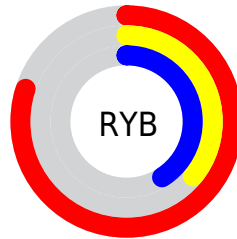
The XYZ color **31.4166, 21.4608, 15.5832** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted rose. A complement of this color would be **35.6614, 49.6930, 57.5848**, and the grayscale version is **20.0471, 21.0912, 22.9683**.

A 20% lighter version of the original color is **57.2818, 43.8774, 36.4604**, and **13.2541, 7.7295, 4.6643** is the 20% darker color. If you saturate the color by 10%, you get **29.0719, 18.0924, 10.7297**, and if you desaturate by 10%, it is **34.4397, 25.8681, 21.6435**.

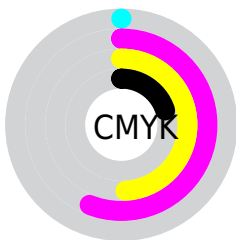
# Distribution



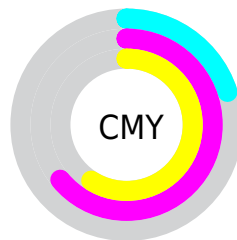
- Red (80%)
- Green (36%)
- Blue (41%)



- Red (80%)
- Yellow (36%)
- Blue (41%)



- Cyan (0%)
- Magenta (56%)
- Yellow (49%)
- Black (20%)




- Cyan (20%)
- Magenta (64%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4166, 21.4608, 15.5832 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 31.4166, 21.4608, 15.5832 by changing the saturation by 10% instead.





 31.4166, 21.4608,  
15.5832

 31.4166, 21.4608,  
15.5832


300.2457,  
259.7174, 238.6307


 21.0697, 13.4612,  
9.0786

 61.2668, 45.8532,  
36.6298


 13.2877, 7.7469,  
4.6949


 81.5007, 63.0148,  
52.0087

 7.7053, 3.9334,  
2.0138


 105.7610, 83.9992,  
71.1829

 3.9572, 1.6364,  
0.5638

 134.4131,  
109.1909, 94.5708

 1.6779, 0.3820,  
0.0000

167.8222,  
138.9741, 122.5910

 0.4424, 0.0000,  
0.0000

206.3538,

 0.0000, 0.0000,

173.7333, 155.6621

0.0000

250.3732,  
213.8529, 194.2024

■ 31.4166, 21.4608,  
15.5832

■ 31.4166, 21.4608,  
15.5832

■ 29.0719, 18.0924,  
10.7297

■ 34.4397, 25.8681,  
21.6435

■ 27.3511, 15.6743,  
7.0007

■ 38.1867, 31.3866,  
28.9832

■ 26.1939, 14.1090,  
4.3053

■ 42.7013, 38.0860,  
37.6702

■ 25.5264, 13.2754,  
2.5375

■ 48.0229, 46.0294,  
47.7677

■ 25.3351, 13.0424,  
2.0122

■ 54.1886, 55.2753,  
59.3344

■ 61.2327, 65.8787,  
72.4261

■ 69.1881, 77.8913,  
87.0954

■ 78.0835, 91.3578,  
103.3918

■ 78.9867, 91.7191,  
108.1483

# Harmonies

## Analogous

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



31.7869, 21.4608, 29.7774



31.4166, 21.4608, 15.5832



27.8092, 21.4608, 7.9137

# Triad

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



31.4166, 21.4608, 15.5832



13.8445, 21.4608, 9.0122



18.4064, 21.4608, 63.9025

# Complementary

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



31.4166, 21.4608, 15.5832



35.6614, 49.6930, 57.5848

# 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.



14.4363, 21.4608, 51.6892



31.4166, 21.4608, 15.5832



12.1172, 21.4608, 17.9500

# Square

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



31.4166, 21.4608, 15.5832



17.4594, 21.4608, 5.3794



12.3137, 21.4608, 33.3885



23.6488, 21.4608, 62.3661



# Rectangle

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



31.4166, 21.4608, 15.5832



24.3510, 21.4608, 5.6299



12.3137, 21.4608, 33.3885



16.8975, 21.4608, 61.1109

# Sweetspot

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



31.4171, 21.4619, 15.5836



77.1674, 73.1607, 75.4215



36.4235, 23.0585, 60.2884



16.1234, 15.0713, 15.3987



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.



31.4171, 21.4619, 15.5836



46.9016, 28.6158, 16.0484



35.6881, 30.9800, 13.9979



11.2635, 11.2341, 11.9220



15.7902, 8.1267, 1.3477



0.8325, 0.4264, 0.1636



# Inverse Universe

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



31.4171, 21.4619, 15.5836



46.9016, 28.6158, 16.0484



28.1323, 32.2278, 62.4952



11.2635, 11.2341, 11.9220



15.7902, 8.1267, 1.3477



0.8325, 0.4264, 0.1636



# Previews

## White Background



This preview shows how the XYZ color 31.4166, 21.4608, 15.5832 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 31.4166, 21.4608, 15.5832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

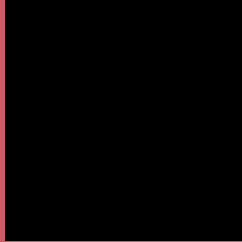
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 31.4166, 21.4608, 15.5832

## Background



This preview shows how black text looks on a background with the XYZ color 31.4166, 21.4608, 15.5832.



This preview shows how white text looks on a background with the XYZ color 31.4166, 21.4608,



# 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

31.4166, 21.4608, 15.5832

### Protanopia

20.7477, 21.7490, 21.5168

### Deuteranopia

21.9128, 21.5508, 14.8092



## Tritanopia

31.2086, 21.5153, 14.0633

# Trichromacy



## Original Color

31.4166, 21.4608, 15.5832

## Protanomaly

23.5233, 20.8702, 19.0082

## Deuteranomaly

24.6110, 20.8545, 15.0401

## Tritanomaly

31.3042, 21.5535, 14.5669

# Monochromacy



## Original Color

31.4166, 21.4608, 15.5832

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

22.8647, 20.3351, 20.1727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.4166, 21.4608, 15.5832 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, 91, 104)` looks like.

```
.text, #text, p{  
    color:rgb(205, 91, 104)  
}
```

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, 91, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 91, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 31.4166, 21.4608, 15.5832 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, 91, 104) }
```



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

```
.border{ border-color:rgb(205, 91, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 91, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 91, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 91, 104);  
box-shadow:4px 4px 4px 4px rgb(205, 91,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.4166, 21.4608, 15.5832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 91, 104) }
```

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

```
.background{ background-color: rgb(205, 91,  
104) }
```

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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