

Converting Colors

XYZ(31.5308, 23.6538, 16.5784)

Have a look what the booklet for
XYZ(31.5308, 23.6538, 16.5784)
contains.

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Color

**XYZ(31.5750, 23.6280,
16.5322)**

Conversions

Conversions Part 1

Format	Color
Hex	C86A6A
RGB	200, 106, 106
RGB Percent	78%, 42%, 42%
CMY	0.2157, 0.5843, 0.5843
CMYK	0.00, 0.47, 0.47, 0.22
HSL	0°, 46%, 60%
HSV	0°, 47%, 78%
XYZ	31.5750, 23.6280, 16.5322
YIQ	134.1060, 56.0240, 19.9280

Conversions

Conversions Part 2

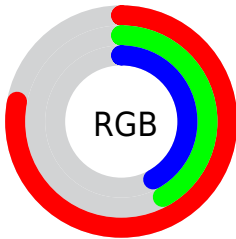
Format	Color
R _Y B	200, 106, 106
Decimal	13134442
CIE Lab	55.71, 37.18, 16.95
CIE LCh	56, 40.859, 24.504
Yxy	23.6280, 0.4402, 0.3294
Android (android.graphics.Color)	4291324522 (0xFFC86A6A)
YUV	134.1060, -13.8563, 57.7890
Hunter-Lab	48.6086, 30.8842, 13.8610

Details

The XYZ color **31.5750, 23.6280, 16.5322** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **37.0225, 48.5408, 62.0616**, and the grayscale version is **22.7345, 23.9185, 26.0472**.

A 20% lighter version of the original color is **59.7239, 48.4906, 38.1101**, and **13.3109, 8.7989, 5.1345** is the 20% darker color. If you saturate the color by 10%, you get **28.8275, 19.6079, 11.0696**, and if you desaturate by 10%, it is **35.0468, 28.7086, 23.4332**.

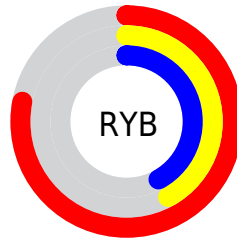
Distribution



Red (78%)

Green (42%)

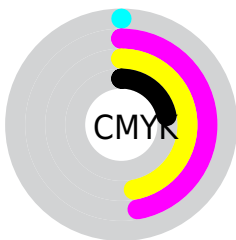
Blue (42%)



Red (78%)

Yellow (42%)

Blue (42%)

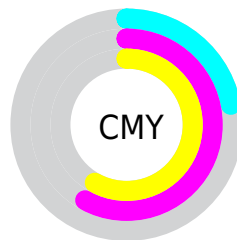


Cyan (0%)

Magenta (47%)

Yellow (47%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5750, 23.6280, 16.5322 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 31.5750, 23.6280, 16.5322 by changing the saturation by 10% instead.


 31.5750, 23.6280,
16.5322


 31.5750, 23.6280,
16.5322


300.9585,
270.9343, 244.4140


 21.1911, 15.0579,
9.7431


 61.5139, 49.4225,
38.2993

 13.3770, 8.8600,
5.1256


 81.7996, 67.4156,
54.1143

 7.7674, 4.6500,
2.2611


 106.1166, 89.3186,
73.7751

 3.9970, 2.0434,
0.7093

 134.8303,
115.5158, 97.7002

 1.7005, 0.6325,
0.0000

168.3059,
146.3915, 126.3080

 0.4566, 0.0000,
0.0000

206.9089,

 0.0000, 0.0000,

182.3303, 160.0173

0.0000

251.0047,
223.7164, 199.2464

■ 31.5750, 23.6280,
16.5322

■ 31.5750, 23.6280,
16.5322

■ 28.8275, 19.6079,
11.0696

■ 35.0468, 28.7086,
23.4332

■ 26.7515, 16.5700,
6.9428

■ 39.2873, 34.9136,
31.8629

■ 25.2899, 14.4313,
4.0375


■ 44.3392, 42.3060,
41.9058


■ 24.3755, 13.0932,
2.2198


■ 50.2417, 50.9431,
53.6399


■ 23.9175, 12.4230,
1.3096

■ 57.0316, 60.8786,
67.1380

 23.8195, 12.2796,
1.1148

 64.7433, 72.1630,
82.4688

 73.4095, 84.8440,
99.6971

 77.6294, 91.0194,
108.0847

Harmonies

Analogous

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



32.5399, 23.6280, 28.2479



31.5750, 23.6280, 16.5322



28.0358, 23.6280, 10.0475

Triad

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



31.5750, 23.6280, 16.5322



15.9595, 23.6280, 13.5773



21.6155, 23.6280, 60.3814

Complementary

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



31.5750, 23.6280, 16.5322



37.0225, 48.5408, 62.0616

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.



17.6734, 23.6280, 52.5796



31.5750, 23.6280, 16.5322



14.7082, 23.6280, 23.3605

Square

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



31.5750, 23.6280, 16.5322



18.9629, 23.6280, 8.7980



15.2898, 23.6280, 37.8212



26.3575, 23.6280, 56.6128

Rectangle

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



31.5750, 23.6280, 16.5322



24.9221, 23.6280, 8.1449



15.2898, 23.6280, 37.8212



20.1614, 23.6280, 58.9623

Sweetspot

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



31.5756, 23.6292, 16.5326



79.4760, 77.2109, 77.9394



39.3989, 26.7578, 57.7318



16.5556, 15.8597, 15.7767



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.



31.5756, 23.6292, 16.5326



49.9928, 34.0684, 19.3286



37.8123, 36.1026, 18.6115



10.6339, 10.6370, 11.0554



15.1453, 7.8078, 0.7088



0.7171, 0.3697, 0.0336

Inverse Universe

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



37.0225, 48.5408, 62.0616



60.5154, 82.1934, 107.2832



27.7606, 30.0170, 58.9743



10.9467, 12.0675, 13.6698



19.7601, 28.9142, 39.2839



0.9357, 1.3691, 1.8601

Previews

White Background



This preview shows how the XYZ color 31.5750, 23.6280, 16.5322 looks on a white background.

Color Contrast Check

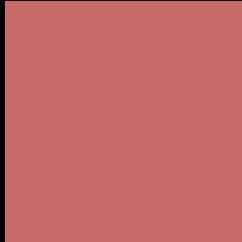
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5750, 23.6280, 16.5322 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 31.5750, 23.6280, 16.5322

Background



This preview shows how black text looks on a background with the XYZ color 31.5750, 23.6280, 16.5322.



This preview shows how white text looks on a background with the XYZ color 31.5750, 23.6280,

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

31.5750, 23.6280, 16.5322

Protanopia

22.6701, 23.9576, 20.8822

Deuteranopia

24.1532, 23.8279, 15.8966



Tritanopia

31.8516, 23.5748, 18.4944

Trichromacy



Original Color

31.5750, 23.6280, 16.5322

Protanomaly

25.1452, 23.3116, 19.0939

Deuteranomaly

26.5191, 23.5383, 15.9776

Tritanomaly

31.6855, 23.5083, 17.6194

Monochromacy



Original Color

31.5750, 23.6280, 16.5322

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.9463, 23.1396, 22.2204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5750, 23.6280, 16.5322 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(200, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(200, 106, 106)  
}
```

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(200, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 106, 106) }
```

Border

The CSS property to change the border of an element to XYZ 31.5750, 23.6280, 16.5322 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(200, 106, 106) }
```


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

```
.border{ border-color:rgb(200, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(200, 106,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5750, 23.6280, 16.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 106, 106) }
```

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

```
.background{ background-color: rgb(200,  
106, 106) }
```

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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