

Converting Colors

XYZ(31.0582, 23.1856, 15.3360)

Have a look what the booklet for
XYZ(31.0582, 23.1856, 15.3360)
contains.

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Color

**XYZ(31.0030, 23.2046,
15.4153)**

Conversions

Conversions Part 1

Format	Color
Hex	C76966
RGB	199, 105, 102
RGB Percent	78%, 41%, 40%
CMY	0.2196, 0.5882, 0.6000
CMYK	0.00, 0.47, 0.49, 0.22
HSL	2°, 46%, 59%
HSV	2°, 49%, 78%
XYZ	31.0030, 23.2046, 15.4153
YIQ	132.7640, 56.9870, 18.9950

Conversions

Conversions Part 2

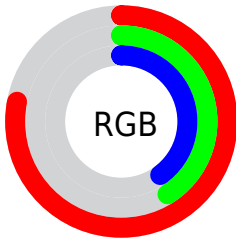
Format	Color
R _Y B	199, 105, 102
Decimal	13068646
CIE Lab	55.28, 36.93, 18.66
CIE LCh	55, 41.380, 26.808
Yxy	23.2046, 0.4453, 0.3333
Android (android.graphics.Color)	4291258726 (0xFFC76966)
YUV	132.7640, -15.1667, 58.0890
Hunter-Lab	48.1712, 30.5833, 14.7464

Details

The XYZ color **31.0030, 23.2046, 15.4153** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.5270, 46.4256, 61.1211**, and the grayscale version is **22.2481, 23.4067, 25.4899**.

A 20% lighter version of the original color is **59.2166, 48.0136, 36.2835**, and **12.9933, 8.5769, 4.5851** is the 20% darker color. If you saturate the color by 10%, you get **28.3856, 19.3642, 10.2444**, and if you desaturate by 10%, it is **34.3038, 28.0327, 21.9830**.

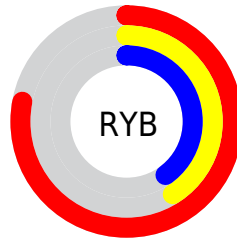
Distribution



Red (78%)

Green (41%)

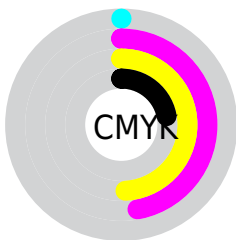
Blue (40%)



Red (78%)

Yellow (41%)

Blue (40%)

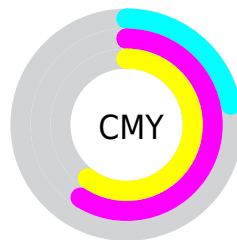


Cyan (0%)

Magenta (47%)

Yellow (49%)

Black (22%)



Cyan (22%)


Magenta (59%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0030, 23.2046, 15.4153 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 31.0030, 23.2046, 15.4153 by changing the saturation by 10% instead.


 31.0030, 23.2046,
15.4153


 31.0030, 23.2046,
15.4153


298.3788,
268.7741, 237.5931


 20.7530, 14.7447,
8.9615

 60.6206, 48.7291,
36.3327


 13.0550, 8.6404,
4.6196


 80.7189, 66.5624,
51.6333

 7.5437, 4.5074,
1.9711


 104.8306, 88.2889,
70.7200

 3.8537, 1.9612,
0.5374

 133.3212,
114.2931, 94.0113

 1.6197, 0.5848,
0.0000

166.5559,
144.9593, 121.9257

 0.4052, 0.0000,
0.0000

204.9002,

 0.0000, 0.0000,

180.6720, 154.8818

0.0000

248.7194,
221.8154, 193.2981

■ 31.0030, 23.2046,
15.4153

■ 31.0030, 23.2046,
15.4153

■ 28.3856, 19.3642,
10.2444

■ 34.3038, 28.0327,
21.9830

■ 26.4021, 16.4400,
6.3681

■ 38.3293, 33.9065,
30.0373

■ 24.9991, 14.3569,
3.6724


■ 43.1198, 40.8835,
39.6618


■ 24.1140, 13.0260,
2.0228


■ 48.7119, 49.0162,
50.9336


■ 23.6600, 12.3340,
1.2055

■ 55.1401, 58.3536,
63.9248

 23.6200, 12.2759,
1.1246

 62.4367, 68.9420,
78.7032

 70.6323, 80.8252,
95.3328

 77.3630, 90.8820,
108.0723

Harmonies

Analogous

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



32.2026, 23.2046, 26.7138



31.0030, 23.2046, 15.4153



27.3022, 23.2046, 9.3614

Triad

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



31.0030, 23.2046, 15.4153



15.4070, 23.2046, 13.7116



21.5628, 23.2046, 60.2731

Complementary

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



31.0030, 23.2046, 15.4153



35.5270, 46.4256, 61.1211

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.



17.5277, 23.2046, 53.2053



31.0030, 23.2046, 15.4153



14.3008, 23.2046, 23.8712

Square

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



31.0030, 23.2046, 15.4153



18.2755, 23.2046, 8.6473



15.0196, 23.2046, 38.6120



26.3232, 23.2046, 55.5744

Rectangle

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



31.0030, 23.2046, 15.4153



24.1521, 23.2046, 7.6738



15.0196, 23.2046, 38.6120



20.0835, 23.2046, 59.1484

Sweetspot

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



31.0036, 23.2058, 15.4157



78.7865, 76.3659, 76.0629



38.4265, 25.6938, 55.9877



16.4320, 15.7176, 15.4114



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.



31.0036, 23.2058, 15.4157



49.6583, 33.8420, 17.8524



37.1986, 35.5958, 17.4807



10.6598, 10.6887, 11.0641



15.2001, 7.9174, 0.7271



0.7291, 0.3937, 0.0376

Inverse Universe

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



35.5270, 46.4256, 61.1211



58.4410, 78.9831, 106.7728



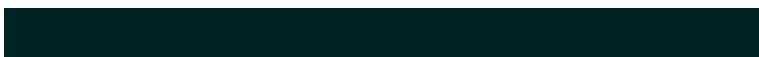
26.5174, 28.4064, 58.1179



10.9175, 12.0090, 13.6600



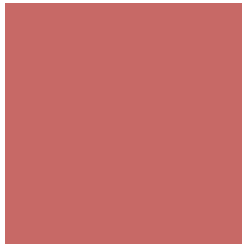
18.8802, 27.1543, 38.9906



0.9030, 1.3039, 1.8492

Previews

White Background



This preview shows how the XYZ color 31.0030, 23.2046, 15.4153 looks on a white background.

Color Contrast Check

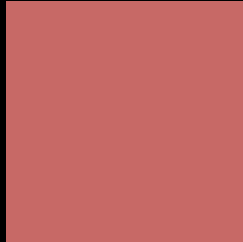
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0030, 23.2046, 15.4153 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 31.0030, 23.2046, 15.4153

Background



This preview shows how black text looks on a background with the XYZ color 31.0030, 23.2046, 15.4153.



This preview shows how white text looks on a background with the XYZ color 31.0030, 23.2046,

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

31.0030, 23.2046, 15.4153

Protanopia

22.1295, 23.5018, 19.5896

Deuteranopia

23.6986, 23.2287, 14.7898



Tritanopia

31.6390, 23.3277, 17.8741

Trichromacy



Original Color

31.0030, 23.2046, 15.4153

Protanomaly

24.5954, 22.8688, 17.8696

Deuteranomaly

25.8622, 22.8652, 14.8547

Tritanomaly

31.4765, 23.2627, 17.0185

Monochromacy



Original Color

31.0030, 23.2046, 15.4153

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.5004, 22.7392, 21.5101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0030, 23.2046, 15.4153 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(199, 105, 102)` looks like.

```
.text, #text, p{  
    color:rgb(199, 105, 102)  
}
```

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(199, 105, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 105, 102) }
```

Border

The CSS property to change the border of an element to XYZ 31.0030, 23.2046, 15.4153 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(199, 105, 102) }
```


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

```
.border{ border-color:rgb(199, 105, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 105, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 105, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 105, 102);  
box-shadow:4px 4px 4px 4px rgb(199, 105,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0030, 23.2046, 15.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 105, 102) }
```

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

```
.background{ background-color: rgb(199,  
105, 102) }
```

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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