

# Converting Colors

XYZ(30.5964, 23.2093, 14.2950)

Have a look what the booklet for  
XYZ(30.5964, 23.2093, 14.2950)  
contains.

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# Color

**XYZ(30.6004, 23.1769,  
14.1700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C66A61
RGB	198, 106, 97
RGB Percent	78%, 42%, 38%
CMY	0.2235, 0.5843, 0.6196
CMYK	0.00, 0.46, 0.51, 0.22
HSL	5°, 47%, 58%
HSV	5°, 51%, 78%
XYZ	30.6004, 23.1769, 14.1700
YIQ	132.4820, 57.7210, 16.7050

# Conversions

## Conversions Part 2

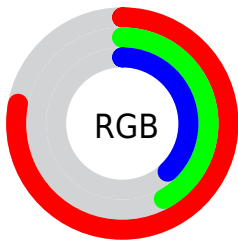
Format	Color
R <sub>Y</sub> B	198, 107, 97
Decimal	13003361
CIE Lab	55.25, 35.56, 21.50
CIE LCh	55, 41.553, 31.158
Yxy	23.1769, 0.4504, 0.3411
Android (android.graphics.Color)	4291193441 (0xFFC66A61)
YUV	132.4820, -17.4926, 57.4593
Hunter-Lab	48.1424, 29.2095, 16.2485

# Details

The XYZ color **30.6004, 23.1769, 14.1700** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.3193, 43.0115, 59.9718**, and the grayscale version is **22.1536, 23.3073, 25.3817**.

A 20% lighter version of the original color is **58.9834, 48.1944, 34.2107**, and **12.8269, 8.6428, 4.1241** is the 20% darker color. If you saturate the color by 10%, you get **28.1227, 19.5191, 9.3438**, and if you desaturate by 10%, it is **33.7005, 27.7109, 20.3408**.

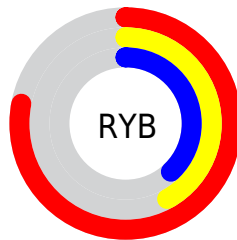
# Distribution



Red (78%)

Green (42%)

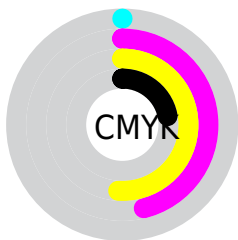
Blue (38%)



Red (78%)

Yellow (42%)

Blue (38%)

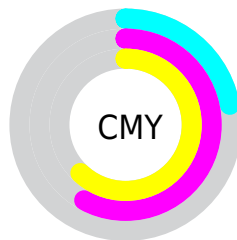


Cyan (0%)

Magenta (46%)

Yellow (51%)

Black (22%)



Cyan (22%)

Magenta (58%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6004, 23.1769, 14.1700 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 30.6004, 23.1769, 14.1700 by changing the saturation by 10% instead.





 30.6004, 23.1769,  
14.1700


 30.6004, 23.1769,  
14.1700

296.5530,  
268.6323, 229.7509


 20.4451, 14.7242,  
8.0989


 59.9905, 48.6836,  
34.1118


 12.8291, 8.6260,  
4.0696


 79.9560, 66.5064,  
48.8196

 7.3872, 4.4981,  
1.6636

 103.9223, 88.2214,  
67.2434

 3.7539, 1.9559,  
0.3356

 132.2548,  
114.2129, 89.8017

 1.5639, 0.5817,  
0.0000

165.3187,  
144.8654, 116.9131

 0.3687, 0.0000,  
0.0000

203.4795,

 0.0000, 0.0000,

180.5631, 148.9960

0.0000

247.1024,  
221.6906, 186.4692

■ 30.6004, 23.1769,  
14.1700

■ 30.6004, 23.1769,  
14.1700

■ 28.1227, 19.5191,  
9.3438

■ 33.7005, 27.7109,  
20.3408

■ 26.2234, 16.6776,  
5.7605

■ 37.4596, 33.1688,  
27.9449

■ 24.8557, 14.5904,  
3.3063

■ 41.9132, 39.5993,  
37.0650

■ 23.9644, 13.1852,  
1.8457

■ 47.0941, 47.0465,  
47.7772

■ 23.4994, 12.4272,  
1.1601

■ 53.0328, 55.5519,  
60.1524

■ 59.7582, 65.1545,  
74.2572

■ 67.2975, 75.8916,  
90.1546

■ 75.6121, 87.7727,  
107.5644

■ 77.0986, 90.7457,  
108.0599

# Harmonies

## Analogous

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



32.2321, 23.1769, 24.7217



30.6004, 23.1769, 14.1700



26.6298, 23.1769, 8.7945

# Triad

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



30.6004, 23.1769, 14.1700



15.0884, 23.1769, 14.7889



22.2102, 23.1769, 60.4712

# Complementary

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



30.6004, 23.1769, 14.1700



33.3193, 43.0115, 59.9718

# 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.



17.9911, 23.1769, 54.9684



30.6004, 23.1769, 14.1700



14.2442, 23.1769, 25.7568

# Square

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



30.6004, 23.1769, 14.1700



17.7190, 23.1769, 9.0533



15.2292, 23.1769, 40.9387



26.9866, 23.1769, 54.1033



# Rectangle

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



30.6004, 23.1769, 14.1700



23.4321, 23.1769, 7.4475



15.2292, 23.1769, 40.9387



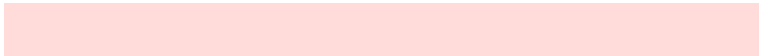
20.6830, 23.1769, 59.9372

# Sweetspot

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



30.6010, 23.1781, 14.1704



79.3672, 77.5274, 76.2565



36.8121, 24.2548, 51.2181



16.5695, 15.9926, 15.4572



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.



30.6010, 23.1781, 14.1704



49.4545, 34.0510, 15.8835



37.3208, 36.6178, 16.4104



10.7086, 10.7864, 11.0803



15.3098, 8.1368, 0.7636



0.7517, 0.4388, 0.0451



# Inverse Universe

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



33.3193, 43.0115, 59.9718



54.7390, 72.8863, 105.7911



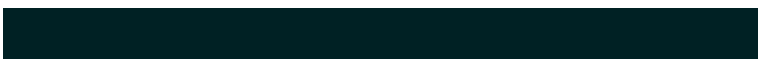
24.3676, 25.1081, 56.9879



10.8627, 11.8996, 13.6418



17.3208, 24.0355, 38.4708



0.8444, 1.1866, 1.8297



# Previews

## White Background



This preview shows how the XYZ color 30.6004, 23.1769, 14.1700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

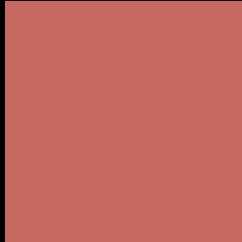
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.6004, 23.1769, 14.1700 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 30.6004, 23.1769, 14.1700

## Background



This preview shows how black text looks on a background with the XYZ color 30.6004, 23.1769, 14.1700.



This preview shows how white text looks on a background with the XYZ color 30.6004, 23.1769,



# 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

30.6004, 23.1769, 14.1700

### Protanopia

21.9631, 23.4546, 17.8376

### Deuteranopia

23.6657, 23.2382, 13.5940



## Tritanopia

31.3727, 23.1904, 17.8616

# Trichromacy



## Original Color

30.6004, 23.1769, 14.1700

## Protanomaly

24.3307, 22.7629, 16.4759

## Deuteranomaly

25.8508, 22.8860, 13.6446

## Tritanomaly

31.2063, 23.2859, 16.4855

# Monochromacy



## Original Color

30.6004, 23.1769, 14.1700

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

24.1230, 22.5657, 20.5370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6004, 23.1769, 14.1700 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(198, 106, 97)` looks like.

```
.text, #text, p{  
    color:rgb(198, 106, 97)  
}
```

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(198, 106, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 106, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6004, 23.1769, 14.1700 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(198, 106, 97) }
```



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

```
.border{ border-color:rgb(198, 106, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 106, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 106, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 106, 97);  
box-shadow:4px 4px 4px 4px rgb(198, 106,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6004, 23.1769, 14.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 106, 97) }
```

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

```
.background{ background-color: rgb(198,  
106, 97) }
```

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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