

# Converting Colors

XYZ(26.8181, 20.9960, 8.4381)

Have a look what the booklet for  
XYZ(26.8181, 20.9960, 8.4381)  
contains.

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# Color

**XYZ(26.7948, 21.0342,  
8.4421)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BC6846
RGB	188, 104, 70
RGB Percent	74%, 41%, 27%
CMY	0.2627, 0.5921, 0.7255
CMYK	0.00, 0.45, 0.63, 0.26
HSL	17°, 47%, 51%
HSV	17°, 63%, 74%
XYZ	26.7948, 21.0342, 8.4421
YIQ	125.2400, 60.9780, 7.2340

# Conversions

## Conversions Part 2

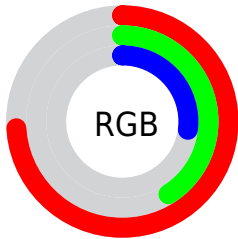
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 118, 70
Decimal	12347462
CIELab	52.99, 30.49, 33.66
CIELCh	53, 45.418, 47.828
Yxy	21.0342, 0.4762, 0.3738
Android (android.graphics.Color)	4290537542 (0xFFBC6846)
YUV	125.2400, -27.2333, 55.0405
Hunter-Lab	45.8631, 24.0256, 21.1905

# Details

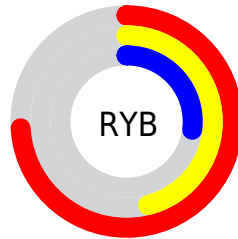
The XYZ color **26.7948, 21.0342, 8.4421** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **23.1576, 28.0423, 51.7687**, and the grayscale version is **19.6490, 20.6723, 22.5121**.

A 20% lighter version of the original color is **53.9296, 45.0653, 23.3088**, and **10.7476, 7.5484, 1.8102** is the 20% darker color. If you saturate the color by 10%, you get **25.0498, 18.3501, 5.3769**, and if you desaturate by 10%, it is **28.9403, 24.2224, 12.5575**.

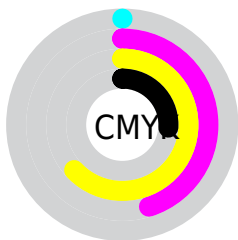
# Distribution



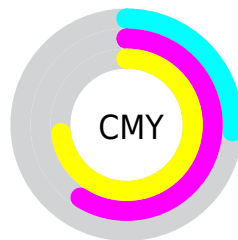
- Red (74%)
- Green (41%)
- Blue (27%)



- Red (74%)
- Yellow (46%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (63%)
- Black (26%)




- Cyan (26%)
- Magenta (59%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7948, 21.0342, 8.4421 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 26.7948, 21.0342, 8.4421 by changing the saturation by 10% instead.




 26.7948, 21.0342,  
8.4421


 26.7948, 21.0342,  
8.4421

278.8479,  
257.4602, 189.2219


 17.5550, 13.1490,  
4.2873


 53.9766, 45.1444,  
23.3810

 10.7287, 7.5312,  
1.7842


 72.6493, 62.1383,  
35.0022


 5.9507, 3.7965,  
0.4175


 95.1970, 82.9371,  
49.9493

 2.8555, 1.5604,  
0.0000

 121.9851,  
107.9254, 68.6408

 1.0778, 0.3307,  
0.0000

 153.3788,  
137.4874, 91.4953

 0.0064, 0.0000,  
0.0000

189.7436,

 0.0000, 0.0000,

172.0076, 118.9312

0.0000

231.4449,  
211.8704, 151.3672

■ 26.7948, 21.0342,  
8.4421

■ 26.7948, 21.0342,  
8.4421

■ 25.0498, 18.3501,  
5.3769

■ 28.9403, 24.2224,  
12.5575

■ 23.6759, 16.1394,  
3.2626

■ 31.5099, 27.9364,  
17.8078

■ 22.6409, 14.3729,  
1.9824

■ 34.5270, 32.2007,  
24.2701

■ 22.0663, 13.3462,  
1.4130

■ 38.0128, 37.0370,  
32.0147

■ 41.9869, 42.4660,  
41.1061

■ 46.4680, 48.5071,  
51.6047

■ 51.4735, 55.1791,  
63.5672

■ 57.0202, 62.4997,  
77.0470

■ 63.1240, 70.4861,  
92.0949

# Harmonies

## Analogous

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



30.0428, 21.0342, 15.7729



26.7948, 21.0342, 8.4421



21.9868, 21.0342, 5.6383

# Triad

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



26.7948, 21.0342, 8.4421



12.3080, 21.0342, 17.8042



22.9302, 21.0342, 58.0578

# Complementary

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



26.7948, 21.0342, 8.4421



23.1576, 28.0423, 51.7687

# 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.



18.1223, 21.0342, 59.3123



26.7948, 21.0342, 8.4421



12.4781, 21.0342, 31.9105

# Square

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



26.7948, 21.0342, 8.4421



13.9426, 21.0342, 9.4185



14.4513, 21.0342, 48.3684



27.5792, 21.0342, 45.4177



# Rectangle

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



26.7948, 21.0342, 8.4421



18.7705, 21.0342, 5.5037



14.4513, 21.0342, 48.3684



21.2662, 21.0342, 59.9660

# Sweetspot

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



26.7953, 21.0353, 8.4425



71.2793, 70.4001, 63.4322



28.8091, 17.4237, 32.6645



14.9012, 14.5533, 12.6718



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.7953, 21.0353, 8.4425



44.4639, 31.7751, 8.2329



34.8411, 37.1270, 11.1244



9.7481, 9.9723, 9.9877



15.0802, 9.1991, 0.9808



0.6488, 0.4766, 0.0578



# Inverse Universe

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



23.1576, 28.0423, 51.7687



37.2132, 45.2298, 92.9951



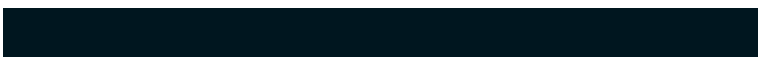
15.7464, 13.2199, 49.2983



9.5700, 10.3323, 12.1621



12.0340, 14.1796, 34.4956



0.5248, 0.6623, 1.3690



# Previews

## White Background



This preview shows how the XYZ color 26.7948, 21.0342, 8.4421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

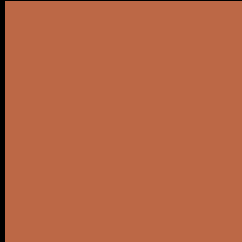
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.7948, 21.0342, 8.4421 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 26.7948, 21.0342, 8.4421**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7948, 21.0342, 8.4421.



This preview shows how white text looks on a background with the XYZ color 26.7948, 21.0342,

8.4421.

# 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

26.7948, 21.0342, 8.4421

### Protanopia

19.6120, 21.2178, 10.2695

### Deuteranopia

21.5310, 21.1360, 8.0991



## Tritanopia

28.3509, 20.9324, 16.4560

# Trichromacy



## Original Color

26.7948, 21.0342, 8.4421

## Protanomaly

21.7715, 20.8697, 9.5374

## Deuteranomaly

23.2923, 20.9915, 8.1343

## Tritanomaly

27.6603, 20.9343, 13.1725

# Monochromacy



## Original Color

26.7948, 21.0342, 8.4421

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

21.1238, 20.0384, 16.1191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7948, 21.0342, 8.4421 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(188, 104, 70)` looks like.

```
.text, #text, p{  
    color:rgb(188, 104, 70)  
}
```

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(188, 104, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 104, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7948, 21.0342, 8.4421 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(188, 104, 70) }
```



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

```
.border{ border-color:rgb(188, 104, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 104, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 104, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 104, 70);  
box-shadow:4px 4px 4px 4px rgb(188, 104,  
70) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.7948, 21.0342, 8.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 104, 70) }
```

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

```
.background{ background-color: rgb(188,  
104, 70) }
```

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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