

# Converting Colors

XYZ(27.4679, 21.5390, 3.3473)

Have a look what the booklet for  
XYZ(27.4679, 21.5390, 3.3473)  
contains.

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# Color

**XYZ(27.3160, 21.4170,  
3.3103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C26813
RGB	194, 104, 19
RGB Percent	76%, 41%, 7%
CMY	0.2392, 0.5921, 0.9255
CMYK	0.00, 0.46, 0.90, 0.24
HSL	29°, 82%, 42%
HSV	29°, 90%, 76%
XYZ	27.3160, 21.4170, 3.3103
YIQ	121.2200, 80.9250, -7.3550

# Conversions

## Conversions Part 2

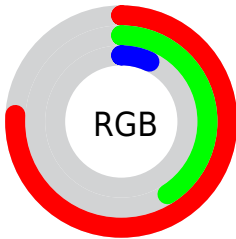
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 184, 19
Decimal	12740627
CIELab	53.40, 30.81, 57.24
CIELCh	53, 65.005, 61.707
Yxy	21.4170, 0.5249, 0.4115
Android (android.graphics.Color)	4290930707 (0xFFC26813)
YUV	121.2200, -50.3945, 63.8281
Hunter-Lab	46.2785, 24.3727, 28.1539

# Details

The XYZ color **27.3160, 21.4170, 3.3103** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.4745, 14.9703, 53.1125**, and the grayscale version is **18.3857, 19.3432, 21.0647**.

A 20% lighter version of the original color is **54.3645, 45.5313, 12.4017**, and **11.1977, 7.8007, 0.9155** is the 20% darker color. If you saturate the color by 10%, you get **26.2714, 19.5161, 2.3823**, and if you desaturate by 10%, it is **28.6197, 23.6426, 4.9232**.

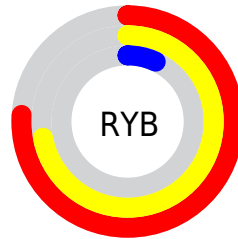
# Distribution



Red (76%)

Green (41%)

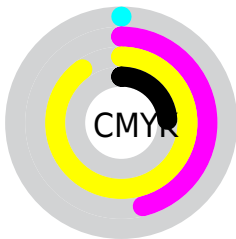
Blue (7%)



Red (76%)

Yellow (72%)

Blue (7%)

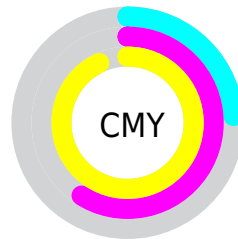


Cyan (0%)

Magenta (46%)

Yellow (90%)

Black (24%)



Cyan (24%)

Magenta (59%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3160, 21.4170, 3.3103 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 27.3160, 21.4170, 3.3103 by changing the saturation by 10% instead.





 27.3160, 21.4170,  
3.3103


 27.3160, 21.4170,  
3.3103


281.3236,  
259.4864, 140.2196


 17.9485, 13.4292,  
1.2552


 54.8068, 45.7805,  
12.3850


 11.0125, 7.7247,  
0.0246


 73.6609, 62.9250,  
20.2416

 6.1426, 3.9193,  
0.0000


 96.4079, 83.8904,  
30.8692

 2.9735, 1.6285,  
0.0000

 123.4131,  
109.0613, 44.6862

 1.1397, 0.3767,  
0.0000

 155.0419,  
138.8219, 62.1112


 0.0580, 0.0000,  
0.0000


 191.6597,


 0.0000, 0.0000,


173.5567, 83.5627


0.0000


 233.6318,  
213.6501, 109.4594


 27.3160, 21.4170,  
3.3103


 27.3160, 21.4170,  
3.3103


 26.2714, 19.5161,  
2.3823

 28.6197, 23.6426,  
4.9232

 30.2093, 26.1779,  
7.4376

 32.1110, 29.0405,  
10.9720

 34.3473, 32.2450,  
15.6264

 36.9379, 35.8050,  
21.4885

■ 39.9011, 39.7329,  
28.6373

■ 43.2536, 44.0406,  
37.1451

■ 47.0108, 48.7391,  
47.0786

■ 51.1875, 53.8393,  
58.5001

# Harmonies

## Analogous

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



33.8613, 21.4170, 8.5054



27.3160, 21.4170, 3.3103



19.9635, 21.4170, 2.2257

# Triad

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



27.3160, 21.4170, 3.3103



9.7645, 21.4170, 24.4700



28.1575, 21.4170, 72.8963

# Complementary

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



27.3160, 21.4170, 3.3103



15.4745, 14.9703, 53.1125

# 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.



20.7541, 21.4170, 85.6680



27.3160, 21.4170, 3.3103



11.0252, 21.4170, 49.5395

# Square

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



27.3160, 21.4170, 3.3103



10.7646, 21.4170, 9.5462



14.6920, 21.4170, 75.3436



34.4193, 21.4170, 46.3691



# Rectangle

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



27.3160, 21.4170, 3.3103



15.8320, 21.4170, 2.8332



14.6920, 21.4170, 75.3436



25.6693, 21.4170, 79.4486

# Sweetspot

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



27.3165, 21.4182, 3.3107



73.9054, 74.0831, 55.9104



25.2638, 13.0483, 15.7734



15.7427, 15.6489, 11.1435



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.



27.3165, 21.4182, 3.3107



47.3446, 34.8526, 4.2319



41.0144, 48.8140, 7.8766



10.4680, 10.8673, 10.6078



17.3543, 12.9944, 1.5935



0.8188, 0.6994, 0.0918



# Inverse Universe

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



15.4745, 14.9703, 53.1125



25.6015, 22.9757, 95.5552



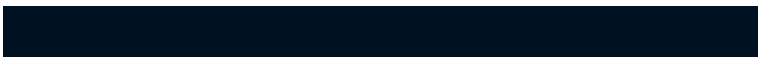
10.2916, 4.6043, 51.3848



9.9470, 10.5854, 12.8037



9.4662, 8.6888, 34.7348



0.4778, 0.5130, 1.5237



# Previews

## White Background



This preview shows how the XYZ color 27.3160, 21.4170, 3.3103 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 27.3160, 21.4170, 3.3103 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 27.3160, 21.4170, 3.3103**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.3160, 21.4170, 3.3103.



This preview shows how white text looks on a background with the XYZ color 27.3160, 21.4170,



# 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

27.3160, 21.4170, 3.3103

### Protanopia

19.4072, 21.4422, 4.0932

### Deuteranopia

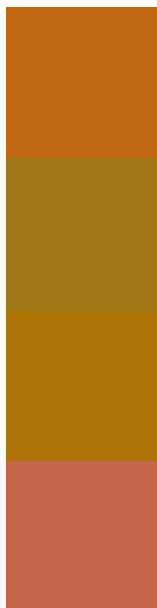
21.7377, 21.3561, 2.9764



## Tritanopia

29.7993, 21.4192, 15.6604

# Trichromacy



## Original Color

27.3160, 21.4170, 3.3103

## Protanomaly

21.6518, 20.9369, 3.7107

## Deuteranomaly

23.6246, 21.2755, 3.0624

## Tritanomaly

28.5247, 21.3311, 8.9172

# Monochromacy



## Original Color

27.3160, 21.4170, 3.3103

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

19.9437, 19.1975, 11.0418

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.3160, 21.4170, 3.3103 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(194, 104, 19)` looks like.

```
.text, #text, p{  
    color:rgb(194, 104, 19)  
}
```

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(194, 104, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 104, 19) }
```

## Border

The CSS property to change the border of an element to XYZ 27.3160, 21.4170, 3.3103 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(194, 104, 19) }
```



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

```
.border{ border-color:rgb(194, 104, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 104, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 104, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 104, 19);  
box-shadow:4px 4px 4px 4px rgb(194, 104,  
19) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.3160, 21.4170, 3.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 104, 19) }
```

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

```
.background{ background-color: rgb(194,  
104, 19) }
```

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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