

# Converting Colors

XYZ(27.4736, 21.4762, 4.1510)

Have a look what the booklet for  
XYZ(27.4736, 21.4762, 4.1510)  
contains.

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# Color

**XYZ(27.4730, 21.4798,  
4.1369)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C26821
RGB	194, 104, 33
RGB Percent	76%, 41%, 13%
CMY	0.2392, 0.5921, 0.8706
CMYK	0.00, 0.46, 0.83, 0.24
HSL	26°, 71%, 45%
HSV	26°, 83%, 76%
XYZ	27.4730, 21.4798, 4.1369
YIQ	122.8160, 76.4310, -3.0010

# Conversions

## Conversions Part 2

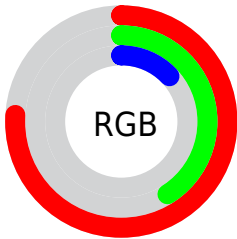
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 160, 33
Decimal	12740641
CIELab	53.47, 31.15, 52.54
CIELCh	53, 61.081, 59.338
Yxy	21.4798, 0.5175, 0.4046
Android (android.graphics.Color)	4290930721 (0xFFC26821)
YUV	122.8160, -44.2793, 62.4284
Hunter-Lab	46.3463, 24.7046, 27.1502

# Details

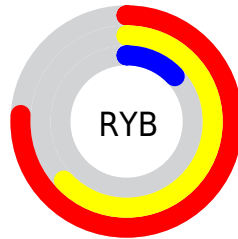
The XYZ color **27.4730, 21.4798, 4.1369** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **17.4473, 18.3833, 53.6674**, and the grayscale version is **18.8905, 19.8742, 21.6430**.

A 20% lighter version of the original color is **54.7287, 45.6770, 14.3195**, and **11.1977, 7.8007, 0.9155** is the 20% darker color. If you saturate the color by 10%, you get **26.2532, 19.3571, 2.7541**, and if you desaturate by 10%, it is **28.9906, 23.9482, 6.3911**.

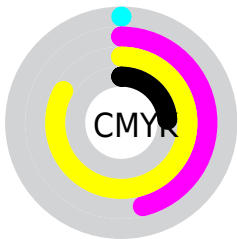
# Distribution



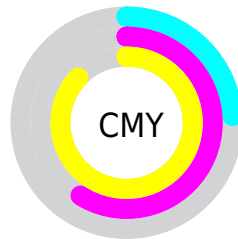
- Red (76%)
- Green (41%)
- Blue (13%)



- Red (76%)
- Yellow (63%)
- Blue (13%)



- Cyan (0%)
- Magenta (46%)
- Yellow (83%)
- Black (24%)



- Cyan (24%)
- Magenta (59%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4730, 21.4798, 4.1369 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 27.4730, 21.4798, 4.1369 by changing the saturation by 10% instead.



■ 27.4730, 21.4798,  
4.1369

■ 27.4730, 21.4798,  
4.1369

282.0660,  
259.8175, 149.7351

■ 18.0672, 13.4752,  
1.7007

■ 55.0565, 45.8847,  
14.3243

■ 11.0982, 7.7566,  
0.3612

■ 73.9649, 63.0538,  
22.9126

■ 6.2007, 3.9396,  
0.0000

■ 96.7716, 84.0464,  
34.3887

■ 3.0093, 1.6398,  
0.0000

■ 123.8418,  
109.2471, 49.1711

■ 1.1587, 0.3842,  
0.0000

■ 155.5411,  
139.0401, 67.6784

■ 0.0734, 0.0000,  
0.0000

■ 192.2346,

■ 0.0000, 0.0000,

173.8099, 90.3292

0.0000

234.2878,  
213.9409, 117.5419

27.4730, 21.4798,  
4.1369

27.4730, 21.4798,  
4.1369

26.2532, 19.3571,  
2.7541

28.9906, 23.9482,  
6.3911

25.5406, 18.0545,  
2.1387

30.8331, 26.7782,  
9.6408

33.0253, 29.9885,  
13.9912

35.5887, 33.5948,  
19.5332

38.5430, 37.6122,  
26.3484

■ 41.9061, 42.0544,  
34.5111

■ 45.6950, 46.9346,  
44.0898

■ 49.9252, 52.2654,  
55.1483

■ 54.6118, 58.0588,  
67.7464

# Harmonies

## Analogous

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



33.3584, 21.4798, 9.8724



27.4730, 21.4798, 4.1369



20.5606, 21.4798, 2.7529

# Triad

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



27.4730, 21.4798, 4.1369



10.2982, 21.4798, 22.9768



27.1693, 21.4798, 70.4999

# Complementary

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



27.4730, 21.4798, 4.1369



17.4473, 18.3833, 53.6674

# 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.



20.2719, 21.4798, 80.5105



27.4730, 21.4798, 4.1369



11.3467, 21.4798, 45.6636

# Square

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



27.4730, 21.4798, 4.1369



11.4446, 21.4798, 9.4749



14.6844, 21.4798, 69.6405



33.1585, 21.4798, 46.7916



# Rectangle

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



27.4730, 21.4798, 4.1369



16.5520, 21.4798, 3.2661



14.6844, 21.4798, 69.6405



24.8387, 21.4798, 76.0006

# Sweetspot

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



27.4735, 21.4810, 4.1373



74.3872, 74.1826, 58.7345



26.4448, 14.0183, 20.4585



15.8071, 15.6086, 11.6860



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.



27.4735, 21.4810, 4.1373



46.0293, 32.2220, 3.7935



39.5110, 45.5560, 8.1498



10.4306, 10.7926, 10.5953



16.8712, 12.0282, 1.4325



0.7975, 0.6568, 0.0847



# Inverse Universe

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



17.4473, 18.3833, 53.6674



27.1837, 26.1401, 96.0826



11.2557, 6.0001, 51.6035



9.9848, 10.6609, 12.8163



10.0415, 9.8394, 34.9266



0.5016, 0.5606, 1.5317



# Previews

## White Background



This preview shows how the XYZ color 27.4730, 21.4798, 4.1369 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 27.4730, 21.4798, 4.1369 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 27.4730, 21.4798, 4.1369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4730, 21.4798, 4.1369.



This preview shows how white text looks on a background with the XYZ color 27.4730, 21.4798,



# 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

27.4730, 21.4798, 4.1369

### Protanopia

19.7181, 21.7763, 5.0834

### Deuteranopia

22.0353, 21.6706, 3.9412



## Tritanopia

29.7993, 21.4192, 15.6604

# Trichromacy



## Original Color

27.4730, 21.4798, 4.1369

## Protanomaly

21.9507, 21.2479, 4.6946

## Deuteranomaly

23.7959, 21.3440, 3.9642

## Tritanomaly

28.6973, 21.4002, 9.8259

# Monochromacy



## Original Color

27.4730, 21.4798, 4.1369

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

20.4853, 19.6185, 12.3799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4730, 21.4798, 4.1369 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(194, 104, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 104, 33) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4730, 21.4798, 4.1369 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, 33) }
```



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

```
.border{ border-color:rgb(194, 104, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 104, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 104, 33);  
box-shadow:4px 4px 4px 4px rgb(194, 104,  
33) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4730, 21.4798, 4.1369 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, 33) }
```

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

```
.background{ background-color: rgb(194,  
104, 33) }
```

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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