

# Converting Colors

XYZ(26.8536, 21.0462, 5.7539)

Have a look what the booklet for  
XYZ(26.8536, 21.0462, 5.7539)  
contains.

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# Color

**XYZ(26.9336, 21.0159,  
5.7689)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF6733
RGB	191, 103, 51
RGB Percent	75%, 40%, 20%
CMY	0.2510, 0.5961, 0.8000
CMYK	0.00, 0.46, 0.73, 0.25
HSL	22°, 58%, 47%
HSV	22°, 73%, 75%
XYZ	26.9336, 21.0159, 5.7689
YIQ	123.3840, 69.1400, 2.4840

# Conversions

## Conversions Part 2

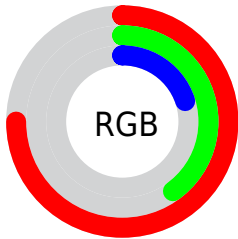
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 134, 51
Decimal	12543795
CIE <sub>Lab</sub>	52.97, 31.14, 43.79
CIE <sub>LCh</sub>	53, 53.736, 54.580
Yxy	21.0159, 0.5014, 0.3912
Android (android.graphics.Color)	4290733875 (0xFFBF6733)
YUV	123.3840, -35.6853, 59.2992
Hunter-Lab	45.8431, 24.6463, 24.6291

# Details

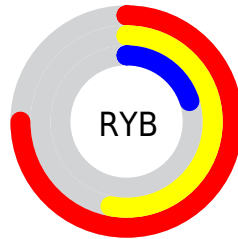
The XYZ color **26.9336, 21.0159, 5.7689** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.0010, 22.9291, 52.6613**, and the grayscale version is **19.0527, 20.0449, 21.8289**.

A 20% lighter version of the original color is **54.1665, 45.0582, 17.8988**, and **10.8404, 7.5461, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **25.4862, 18.6624, 3.6184**, and if you desaturate by 10%, it is **28.7263, 23.7837, 8.8879**.

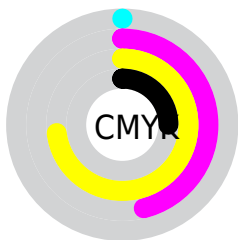
# Distribution



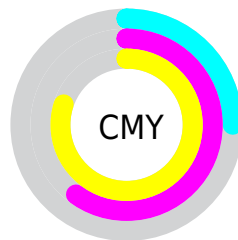
- Red (75%)
- Green (40%)
- Blue (20%)



- Red (75%)
- Yellow (53%)
- Blue (20%)



- Cyan (0%)
- Magenta (46%)
- Yellow (73%)
- Black (25%)




- Cyan (25%)
- Magenta (60%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9336, 21.0159, 5.7689 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 26.9336, 21.0159, 5.7689 by changing the saturation by 10% instead.





 26.9336, 21.0159,  
5.7689


 26.9336, 21.0159,  
5.7689


279.5089,  
257.3630, 166.2244


 17.6597, 13.1356,  
2.6386


 54.1979, 45.1140,  
17.9186


 10.8041, 7.5220,  
0.9123


 72.9191, 62.1006,  
27.7751


 6.0016, 3.7906,  
0.0000


 95.5200, 82.8914,  
40.7107

 2.8867, 1.5572,  
0.0000

 122.3661,  
107.8709, 57.1439

 1.0941, 0.3285,  
0.0000

 153.8226,  
137.4234, 77.4934

 0.0202, 0.0000,  
0.0000

 190.2551,

 0.0000, 0.0000,

171.9333, 102.1776

0.0000

232.0287,  
211.7851, 131.6151

■ 26.9336, 21.0159,  
5.7689

■ 26.9336, 21.0159,  
5.7689

■ 25.4862, 18.6624,  
3.6184

■ 28.7263, 23.7837,  
8.8879

■ 24.3527, 16.6962,  
2.3133

■ 30.8887, 26.9838,  
13.0760

■ 23.7357, 15.5764,  
1.7555

■ 33.4441, 30.6367,  
18.4224

■ 36.4134, 34.7606,  
25.0064

■ 39.8157, 39.3725,  
32.9002

■ 43.6689, 44.4886,  
42.1704

■ 47.9900, 50.1243,  
52.8793

■ 52.7947, 56.2941,  
65.0849

■ 58.0983, 63.0122,  
78.8425

# Harmonies

## Analogous

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



31.5336, 21.0159, 12.2520



26.9336, 21.0159, 5.7689



21.0156, 21.0159, 3.8094

# Triad

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



26.9336, 21.0159, 5.7689



11.0153, 21.0159, 20.0760



24.8282, 21.0159, 64.2761

# Complementary

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



26.9336, 21.0159, 5.7689



20.0010, 22.9291, 52.6613

# 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.



18.9693, 21.0159, 69.7450



26.9336, 21.0159, 5.7689



11.6549, 21.0159, 38.3651

# Square

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



26.9336, 21.0159, 5.7689



12.3840, 21.0159, 9.2011



14.3318, 21.0159, 58.6176



30.1668, 21.0159, 45.9824



# Rectangle

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



26.9336, 21.0159, 5.7689



17.3703, 21.0159, 4.0758



14.3318, 21.0159, 58.6176



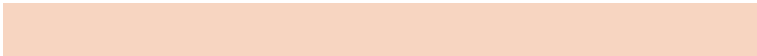
22.8278, 21.0159, 67.9519

# Sweetspot

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



26.9341, 21.0170, 5.7693



71.9308, 71.3477, 60.3932



27.3786, 15.3277, 26.1978



15.4061, 15.1449, 12.3429



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



26.9341, 21.0170, 5.7693



44.3459, 31.1984, 4.8917



36.8992, 40.9472, 9.0910



9.8127, 10.1013, 10.0092



15.6703, 10.3794, 1.1775



0.6770, 0.5330, 0.0672



# Inverse Universe

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



20.0010, 22.9291, 52.6613



31.0948, 34.4604, 93.2918



12.9386, 8.8043, 50.3072



9.5026, 10.1975, 12.1397



10.6772, 11.4662, 34.0433

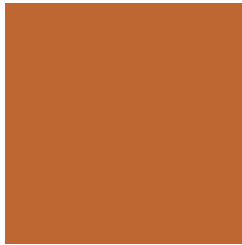


0.4789, 0.5705, 1.3537



# Previews

## White Background



This preview shows how the XYZ color 26.9336, 21.0159, 5.7689 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 26.9336, 21.0159, 5.7689 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 26.9336, 21.0159, 5.7689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.9336, 21.0159, 5.7689.



This preview shows how white text looks on a background with the XYZ color 26.9336, 21.0159,

5.7689.

# 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

26.9336, 21.0159, 5.7689

### Protanopia

19.3376, 21.1470, 7.0656

### Deuteranopia

21.4311, 21.1411, 5.5359



## Tritanopia

29.0215, 21.0182, 15.6240

# Trichromacy



## Original Color

26.9336, 21.0159, 5.7689

## Protanomaly

21.4661, 20.6036, 6.4599

## Deuteranomaly

23.1284, 20.7941, 5.5910

## Tritanomaly

28.0939, 20.9170, 11.1510

# Monochromacy



## Original Color

26.9336, 21.0159, 5.7689

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

20.6158, 19.6497, 14.0155

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.9336, 21.0159, 5.7689 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(191, 103, 51)` looks like.

```
.text, #text, p{  
    color:rgb(191, 103, 51)  
}
```

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(191, 103, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 103, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 26.9336, 21.0159, 5.7689 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(191, 103, 51) }
```



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

```
.border{ border-color:rgb(191, 103, 51) }
```

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

Here you see how a box with a 4 pixel rgb(191, 103, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 103, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 103, 51);  
box-shadow:4px 4px 4px 4px rgb(191, 103,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.9336, 21.0159, 5.7689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 103, 51) }
```

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

```
.background{ background-color: rgb(191,  
103, 51) }
```

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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