

# Converting Colors

XYZ(26.6553, 20.7557, 4.4566)

Have a look what the booklet for  
XYZ(26.6553, 20.7557, 4.4566)  
contains.

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# Color

**XYZ(26.5871, 20.7190,  
4.4316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF6626
RGB	191, 102, 38
RGB Percent	75%, 40%, 15%
CMY	0.2510, 0.6000, 0.8510
CMYK	0.00, 0.47, 0.80, 0.25
HSL	25°, 67%, 45%
HSV	25°, 80%, 75%
XYZ	26.5871, 20.7190, 4.4316
YIQ	121.3150, 73.5880, -1.0360

# Conversions

## Conversions Part 2

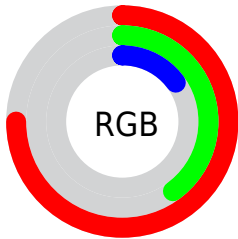
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 148, 38
Decimal	12543526
CIE <sub>Lab</sub>	52.64, 31.14, 49.55
CIE <sub>LCh</sub>	53, 58.520, 57.856
Yxy	20.7190, 0.5139, 0.4005
Android (android.graphics.Color)	4290733606 (0xFFBF6626)
YUV	121.3150, -41.0743, 61.1137
Hunter-Lab	45.5181, 24.6050, 26.0903

# Details

The XYZ color **26.5871, 20.7190, 4.4316** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.7922, 19.3514, 52.0874**, and the grayscale version is **18.3888, 19.3464, 21.0682**.

A 20% lighter version of the original color is **53.4619, 44.5112, 15.0063**, and **10.6332, 7.3715, 0.8624** is the 20% darker color. If you saturate the color by 10%, you get **25.3346, 18.5874, 2.8642**, and if you desaturate by 10%, it is **28.1448, 23.2088, 6.8806**.

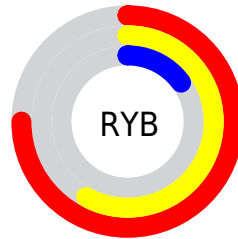
# Distribution



Red (75%)

Green (40%)

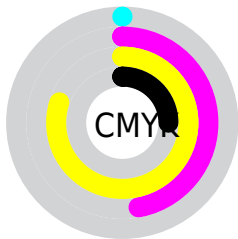
Blue (15%)



Red (75%)

Yellow (58%)

Blue (15%)

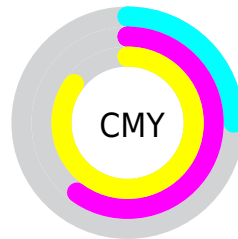


Cyan (0%)

Magenta (47%)

Yellow (80%)

Black (25%)



Cyan (25%)

Magenta (60%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.5871, 20.7190, 4.4316 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 26.5871, 20.7190, 4.4316 by changing the saturation by 10% instead.





 26.5871, 20.7190,  
4.4316

 26.5871, 20.7190,  
4.4316


277.8565,  
255.7813, 152.9082


 17.3983, 12.9188,  
1.8650


 53.6452, 44.6194,  
14.9935


 10.6160, 7.3726,  
0.4703


 72.2452, 61.4883,  
23.8259


 5.8746, 3.6962,  
0.0000

 94.7130, 82.1490,  
35.5840

 2.8089, 1.5051,  
0.0000

 121.4140,  
106.9857, 50.6862

 1.0535, 0.2923,  
0.0000

 152.7134,  
136.3829, 69.5512

 0.0000, 0.0000,  
0.0000

 188.9768,

170.7250, 92.5975

230.5693,  
210.3963, 120.2437

■ 26.5871, 20.7190,  
4.4316

■ 26.5871, 20.7190,  
4.4316

■ 25.3346, 18.5874,  
2.8642

■ 28.1448, 23.2088,  
6.8806

■ 24.3472, 16.7991,  
1.9593

■ 30.0332, 26.0728,  
10.3240

■ 32.2759, 29.3297,  
14.8587

■ 34.8936, 32.9957,  
20.5695

■ 37.9052, 37.0858,  
27.5330

■ 41.3284, 41.6145,  
35.8190

■ 45.1793, 46.5950,  
45.4923

■ 49.4736, 52.0404,  
56.6132

■ 54.2256, 57.9630,  
69.2386

# Harmonies

## Analogous

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



31.9360, 20.7190, 10.2571



26.5871, 20.7190, 4.4316



20.1331, 20.7190, 2.9203

# Triad

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



26.5871, 20.7190, 4.4316



10.1716, 20.7190, 21.3306



25.6730, 20.7190, 66.9677

# Complementary

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



26.5871, 20.7190, 4.4316



17.7922, 19.3514, 52.0874

# 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.



19.2589, 20.7190, 75.2488



26.5871, 20.7190, 4.4316



11.0629, 20.7190, 42.0877

# Square

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



26.5871, 20.7190, 4.4316



11.3632, 20.7190, 9.0277



14.1070, 20.7190, 64.4151



31.3364, 20.7190, 45.4599



# Rectangle

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



26.5871, 20.7190, 4.4316



16.3226, 20.7190, 3.3460



14.1070, 20.7190, 64.4151



23.4975, 20.7190, 71.7577

# Sweetspot

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



26.5876, 20.7201, 4.4320



71.3059, 70.9660, 57.5086



26.0261, 14.0015, 21.4953



15.1789, 14.9478, 11.4736



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.



26.5876, 20.7201, 4.4320



44.0286, 30.8457, 3.9174



37.8058, 43.1566, 8.1714



9.8493, 10.1746, 10.0214



16.0765, 11.1918, 1.3129



0.6945, 0.5679, 0.0730



# Inverse Universe

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



17.7922, 19.3514, 52.0874



27.5587, 27.9854, 92.2284



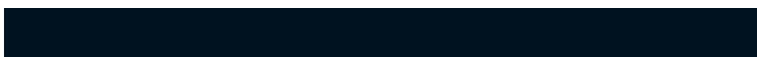
11.3763, 6.5197, 49.9488



9.4650, 10.1223, 12.1271



10.0040, 10.1198, 33.8189



0.4551, 0.5230, 1.3458



# Previews

## White Background



This preview shows how the XYZ color 26.5871, 20.7190, 4.4316 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 26.5871, 20.7190, 4.4316 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 26.5871, 20.7190, 4.4316**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.5871, 20.7190, 4.4316.



This preview shows how white text looks on a background with the XYZ color 26.5871, 20.7190,



# 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

26.5871, 20.7190, 4.4316

### Protanopia

18.9000, 20.7663, 5.3950

### Deuteranopia

21.2619, 20.9028, 4.2103



## Tritanopia

28.8293, 20.7944, 15.0646

# Trichromacy



## Original Color

26.5871, 20.7190, 4.4316

## Protanomaly

21.0773, 20.2607, 4.9903

## Deuteranomaly

22.9884, 20.5837, 4.2748

## Tritanomaly

27.7713, 20.6373, 9.9168

# Monochromacy



## Original Color

26.5871, 20.7190, 4.4316

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

19.7597, 18.9010, 12.5043

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.5871, 20.7190, 4.4316 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, 102, 38)` looks like.

```
.text, #text, p{  
    color:rgb(191, 102, 38)  
}
```

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, 102, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 102, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 26.5871, 20.7190, 4.4316 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, 102, 38) }
```



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

```
.border{ border-color:rgb(191, 102, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 102, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 102, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 102, 38);  
box-shadow:4px 4px 4px 4px rgb(191, 102,  
38) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.5871, 20.7190, 4.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 102, 38) }
```

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

```
.background{ background-color: rgb(191,  
102, 38) }
```

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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