

# Converting Colors

XYZ(25.4977, 19.8126, 2.9359)

Have a look what the booklet for  
XYZ(25.4977, 19.8126, 2.9359)  
contains.

<b>XYZ(25.5343, 19.7770, 2.9235)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(25.5343, 19.7770,  
2.9235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD630F
RGB	189, 99, 15
RGB Percent	74%, 39%, 6%
CMY	0.2588, 0.6117, 0.9412
CMYK	0.00, 0.48, 0.92, 0.26
HSL	29°, 85%, 40%
HSV	29°, 92%, 74%
XYZ	25.5343, 19.7770, 2.9235
YIQ	116.3340, 80.6040, -7.0440

# Conversions

## Conversions Part 2

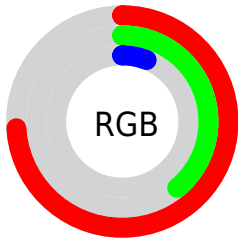
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 177, 15
Decimal	12411663
CIE <sub>Lab</sub>	51.58, 31.31, 56.64
CIE <sub>LCh</sub>	52, 64.716, 61.061
Yxy	19.7770, 0.5294, 0.4100
Android (android.graphics.Color)	4290601743 (0xFFBD630F)
YUV	116.3340, -49.9577, 63.7281
Hunter-Lab	44.4713, 24.6653, 27.2323

# Details

The XYZ color **25.5343, 19.7770, 2.9235** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.4336, 13.8784, 50.0617**, and the grayscale version is **16.8353, 17.7120, 19.2884**.

A 20% lighter version of the original color is **51.9558, 43.0846, 11.3722**, and **10.1939, 6.9483, 0.8039** is the 20% darker color. If you saturate the color by 10%, you get **24.7481, 18.3429, 2.2362**, and if you desaturate by 10%, it is **26.7188, 21.8244, 4.3105**.

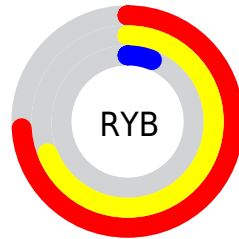
# Distribution



Red (74%)

Green (39%)

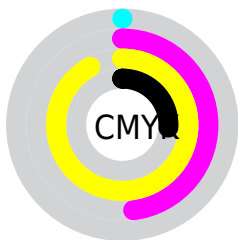
Blue (6%)



Red (74%)

Yellow (69%)

Blue (6%)

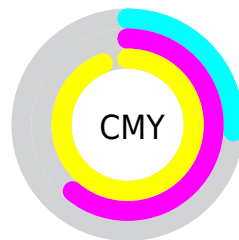


Cyan (0%)

Magenta (48%)

Yellow (92%)

Black (26%)



Cyan (26%)

Magenta (61%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5343, 19.7770, 2.9235 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 25.5343, 19.7770, 2.9235 by changing the saturation by 10% instead.




 25.5343, 19.7770,  
2.9235


 25.5343, 19.7770,  
2.9235


272.7873,  
250.7053, 135.3802


 16.6064, 12.2330,  
1.0557


 51.9594, 43.0430,  
11.4391


 10.0478, 6.9026,  
0.0000


 70.1873, 59.5338,  
18.9239

 5.4932, 3.4013,  
0.0000


 92.2459, 79.7757,  
29.1182

 2.5771, 1.3446,  
0.0000

 118.5006,  
104.1531, 42.4405


 0.9343, 0.1754,  
0.0000


 149.3167,  
133.0504, 59.3093


 0.0000, 0.0000,  
0.0000


 185.0596,


166.8519, 80.1432


 226.0947,  
205.9421, 105.3606


 25.5343, 19.7770,  
2.9235


 25.5343, 19.7770,  
2.9235


 24.7481, 18.3429,  
2.2362

 26.7188, 21.8244,  
4.3105

 28.1684, 24.1624,  
6.5238

 29.9087, 26.8079,  
9.6786

 31.9613, 29.7751,  
13.8710

 34.3452, 33.0769,  
19.1851

■ 37.0777, 36.7252,  
25.6964

■ 40.1748, 40.7315,  
33.4737

■ 43.6512, 45.1064,  
42.5804

■ 47.5211, 49.8600,  
53.0759

# Harmonies

## Analogous

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



31.7008, 19.7770, 7.8199



25.5343, 19.7770, 2.9235



18.5663, 19.7770, 1.8938

# Triad

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



25.5343, 19.7770, 2.9235



8.8479, 19.7770, 22.2053



26.0305, 19.7770, 69.2090

# Complementary

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



25.5343, 19.7770, 2.9235



14.4336, 13.8784, 50.0617

# 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.



19.0305, 19.7770, 81.0135



25.5343, 19.7770, 2.9235



9.9786, 19.7770, 45.8571

# Square

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



25.5343, 19.7770, 2.9235



9.8272, 19.7770, 8.4206



13.3638, 19.7770, 70.6665



32.0307, 19.7770, 43.9780



# Rectangle

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



25.5343, 19.7770, 2.9235



14.6452, 19.7770, 2.4071



13.3638, 19.7770, 70.6665



23.6686, 19.7770, 75.3671

# Sweetspot

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



25.5347, 19.7781, 2.9238



68.3342, 68.2931, 50.7875



23.8532, 12.2390, 15.2373



14.2015, 14.0409, 9.7038



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.



25.5347, 19.7781, 2.9238



44.0867, 32.3770, 3.9258



38.0469, 44.8025, 7.0946



9.9000, 10.2760, 10.0383



16.7273, 12.4934, 1.5298



0.7207, 0.6204, 0.0818



# Inverse Universe

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



14.4336, 13.8784, 50.0617



23.9906, 21.6598, 89.1425



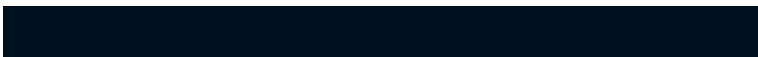
9.6469, 4.3049, 48.4661



9.4136, 10.0196, 12.1100



9.1803, 8.4723, 33.5444



0.4248, 0.4623, 1.3357



# Previews

## White Background



This preview shows how the XYZ color 25.5343, 19.7770, 2.9235 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 25.5343, 19.7770, 2.9235 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 25.5343, 19.7770, 2.9235**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5343, 19.7770, 2.9235.



This preview shows how white text looks on a background with the XYZ color 25.5343, 19.7770,



# 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

25.5343, 19.7770, 2.9235

### Protanopia

17.9999, 19.9622, 3.6634

### Deuteranopia

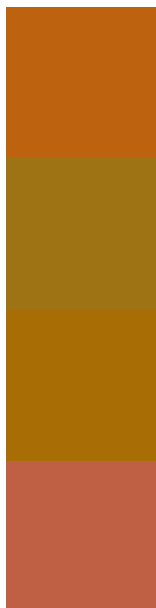
20.0716, 19.7905, 2.7621



## Tritanopia

27.8175, 19.7616, 14.1526

# Trichromacy



## Original Color

25.5343, 19.7770, 2.9235

## Protanomaly

20.1529, 19.4766, 3.3133

## Deuteranomaly

21.7518, 19.4876, 2.7586

## Tritanomaly

26.6215, 19.6781, 7.8640

# Monochromacy



## Original Color

25.5343, 19.7770, 2.9235

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

18.3149, 17.5560, 9.8205

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5343, 19.7770, 2.9235 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(189, 99, 15)` looks like.

```
.text, #text, p{  
    color:rgb(189, 99, 15)  
}
```

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(189, 99, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 99, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5343, 19.7770, 2.9235 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(189, 99, 15) }
```



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

```
.border{ border-color:rgb(189, 99, 15) }
```

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

Here you see how a box with a 4 pixel rgb(189, 99, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 99, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 99, 15);  
box-shadow:4px 4px 4px 4px rgb(189, 99,  
15) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5343, 19.7770, 2.9235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 99, 15) }
```

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

```
.background{ background-color: rgb(189, 99,  
15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor