

# Converting Colors

XYZ(25.8579, 19.4963, 9.2965)

Have a look what the booklet for  
XYZ(25.8579, 19.4963, 9.2965)  
contains.

<b>XYZ(25.8289, 19.5103, 9.2420)</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(25.8289, 19.5103,  
9.2420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA614C
RGB	186, 97, 76
RGB Percent	73%, 38%, 30%
CMY	0.2706, 0.6196, 0.7020
CMYK	0.00, 0.48, 0.59, 0.27
HSL	11°, 44%, 51%
HSV	11°, 59%, 73%
XYZ	25.8289, 19.5103, 9.2420
YIQ	121.2170, 59.7850, 12.3370

# Conversions

## Conversions Part 2

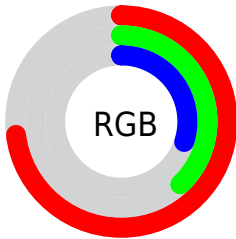
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 102, 76
Decimal	12214604
CIE <sub>Lab</sub>	51.28, 33.87, 28.10
CIE <sub>LCh</sub>	51, 44.008, 39.687
Yxy	19.5103, 0.4732, 0.3575
Android (android.graphics.Color)	4290404684 (0xFFBA614C)
YUV	121.2170, -22.2920, 56.8147
Hunter-Lab	44.1705, 27.0805, 18.5138

# Details

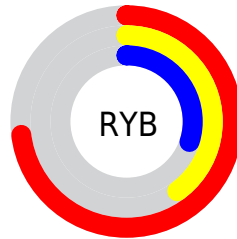
The XYZ color **25.8289, 19.5103, 9.2420** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.2976, 31.9900, 51.2955**, and the grayscale version is **18.3011, 19.2541, 20.9678**.

A 20% lighter version of the original color is **52.4552, 42.5684, 24.8539**, and **10.1659, 6.7212, 2.0578** is the 20% darker color. If you saturate the color by 10%, you get **24.0123, 16.7667, 5.8943**, and if you desaturate by 10%, it is **28.0972, 22.8583, 13.6628**.

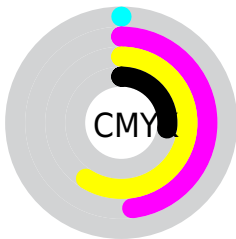
# Distribution



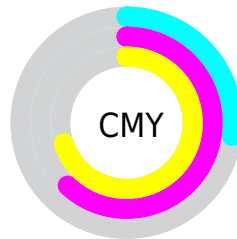
- Red (73%)
- Green (38%)
- Blue (30%)



- Red (73%)
- Yellow (40%)
- Blue (30%)



- Cyan (0%)
- Magenta (48%)
- Yellow (59%)
- Black (27%)




- Cyan (27%)
- Magenta (62%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8289, 19.5103, 9.2420 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 25.8289, 19.5103, 9.2420 by changing the saturation by 10% instead.




 25.8289, 19.5103,  
9.2420


 25.8289, 19.5103,  
9.2420

274.2133,  
249.2516, 195.4571


 16.8277, 12.0396,  
4.8004


 52.4321, 42.5946,  
24.9448

 10.2063, 6.7706,  
2.0739


 70.7647, 58.9770,  
37.0431


 5.5992, 3.3191,  
0.6002

 92.9386, 79.0988,  
52.5307

 2.6413, 1.3005,  
0.0000

 119.3190,  
103.3443, 71.8261

 0.9670, 0.1416,  
0.0000

 150.2713,  
132.0979, 95.3479

 0.0000, 0.0000,  
0.0000

186.1609,

165.7441, 123.5147

227.3531,  
204.6672, 156.7449

■ 25.8289, 19.5103,  
9.2420

■ 25.8289, 19.5103,  
9.2420

■ 24.0123, 16.7667,  
5.8943

■ 28.0972, 22.8583,  
13.6628

■ 22.6143, 14.5878,  
3.5260

■ 30.8441, 26.8410,  
19.2373

■ 21.5995, 12.9339,  
2.0293

■ 34.0962, 31.4903,  
26.0396

■ 20.9141, 11.7541,  
1.2124

■ 37.8775, 36.8352,  
34.1372

■ 20.8660, 11.6718,  
1.1531

■ 42.2106, 42.9027,  
43.5928

■ 47.1167, 49.7186,  
54.4649

■ 52.6157, 57.3073,  
66.8087

■ 58.7269, 65.6921,  
80.6762

■ 65.4683, 74.8953,  
96.1172

# Harmonies

## Analogous

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



28.1728, 19.5103, 17.4292



25.8289, 19.5103, 9.2420



21.6318, 19.5103, 5.6795

# Triad

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



25.8289, 19.5103, 9.2420



11.7000, 19.5103, 13.9069



20.0011, 19.5103, 55.1009

# Complementary

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



25.8289, 19.5103, 9.2420



25.2976, 31.9900, 51.2955

# 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.



15.7649, 19.5103, 52.9419



25.8289, 19.5103, 9.2420



11.4048, 19.5103, 25.5770

# Square

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



25.8289, 19.5103, 9.2420



13.6583, 19.5103, 7.5407



12.7764, 19.5103, 40.7261



24.4745, 19.5103, 45.8102



# Rectangle

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



25.8289, 19.5103, 9.2420



18.5901, 19.5103, 5.0782



12.7764, 19.5103, 40.7261



18.4979, 19.5103, 55.7535

# Sweetspot

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



25.8294, 19.5113, 9.2424



69.2774, 67.6405, 63.2216



29.7017, 18.3551, 37.9736



14.7862, 14.2343, 12.9075



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.



25.8294, 19.5113, 9.2424



42.6771, 29.0866, 9.2012



32.6476, 33.1478, 11.5151



9.1397, 9.2824, 9.4169



14.0802, 7.9367, 0.7898



0.5384, 0.3639, 0.0419



# Inverse Universe

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



25.2976, 31.9900, 51.2955



41.5089, 53.5378, 92.3475



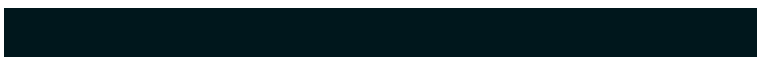
17.5098, 16.4143, 48.6996



9.1170, 9.9112, 11.5120



13.4040, 17.2676, 33.8796



0.5105, 0.6848, 1.2070



# Previews

## White Background



This preview shows how the XYZ color 25.8289, 19.5103, 9.2420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

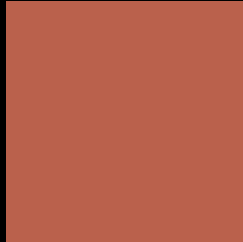
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 25.8289, 19.5103, 9.2420 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 25.8289, 19.5103, 9.2420**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8289, 19.5103, 9.2420.



This preview shows how white text looks on a background with the XYZ color 25.8289, 19.5103,



# 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

25.8289, 19.5103, 9.2420

### Protanopia

18.2784, 19.7433, 11.6516

### Deuteranopia

19.9254, 19.5800, 8.8600



## Tritanopia

27.0420, 19.6169, 14.4178

# Trichromacy



## Original Color

25.8289, 19.5103, 9.2420

## Protanomaly

20.4892, 19.3192, 10.6317

## Deuteranomaly

21.6788, 19.3143, 8.8888

## Tritanomaly

26.4741, 19.5045, 12.2669

# Monochromacy



## Original Color

25.8289, 19.5103, 9.2420

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

20.0210, 18.6280, 15.9049

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8289, 19.5103, 9.2420 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(186, 97, 76)` looks like.

```
.text, #text, p{  
    color:rgb(186, 97, 76)  
}
```

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(186, 97, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 97, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8289, 19.5103, 9.2420 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(186, 97, 76) }
```



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

```
.border{ border-color:rgb(186, 97, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 97, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 97, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 97, 76);  
box-shadow:4px 4px 4px 4px rgb(186, 97,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8289, 19.5103, 9.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 97, 76) }
```

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

```
.background{ background-color: rgb(186, 97,  
76) }
```

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