

# Converting Colors

XYZ(25.1319, 19.9671, 7.7084)

Have a look what the booklet for  
XYZ(25.1319, 19.9671, 7.7084)  
contains.

<b>XYZ(25.0261, 19.8412, 7.6650)</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(25.0261, 19.8412,  
7.6650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B66642
RGB	182, 102, 66
RGB Percent	71%, 40%, 26%
CMY	0.2863, 0.6000, 0.7412
CMYK	0.00, 0.44, 0.64, 0.29
HSL	19°, 47%, 49%
HSV	19°, 64%, 71%
XYZ	25.0261, 19.8412, 7.6650
YIQ	121.8160, 59.2360, 5.7640

# Conversions

## Conversions Part 2

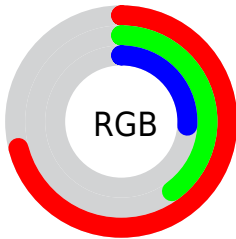
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 118, 66
Decimal	11953730
CIE Lab	51.66, 28.84, 34.07
CIE LCh	52, 44.640, 49.747
Yxy	19.8412, 0.4764, 0.3777
Android (android.graphics.Color)	4290143810 (0xFFB66642)
YUV	121.8160, -27.5173, 52.7814
Hunter-Lab	44.5435, 22.3366, 20.9779

# Details

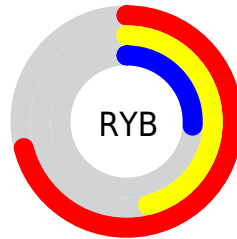
The XYZ color **25.0261, 19.8412, 7.6650** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.9684, 25.0918, 47.9936**, and the grayscale version is **18.5126, 19.4767, 21.2101**.

A 20% lighter version of the original color is **51.2681, 43.2263, 21.8610**, and **9.7206, 6.8854, 1.5262** is the 20% darker color. If you saturate the color by 10%, you get **23.4310, 17.3775, 4.8941**, and if you desaturate by 10%, it is **26.9796, 22.7488, 11.3979**.

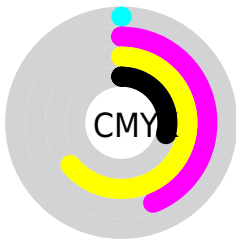
# Distribution



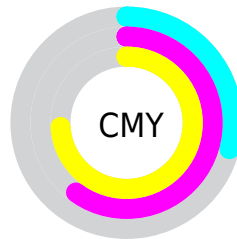
- Red (71%)
- Green (40%)
- Blue (26%)



- Red (71%)
- Yellow (46%)
- Blue (26%)



- Cyan (0%)
- Magenta (44%)
- Yellow (64%)
- Black (29%)




- Cyan (29%)
- Magenta (60%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0261, 19.8412, 7.6650 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 25.0261, 19.8412, 7.6650 by changing the saturation by 10% instead.




 25.0261, 19.8412,  
7.6650


 25.0261, 19.8412,  
7.6650


270.3131,  
251.0541, 182.9157


 16.2253, 12.2797,  
3.7967


 51.1421, 43.1508,  
21.8343

 9.7756, 6.9344,  
1.5145


 69.1881, 59.6676,  
32.9723


 5.3116, 3.4211,  
0.2287

 91.0466, 79.9383,  
47.3706

 2.4678, 1.3553,  
0.0000

 117.0829,  
104.3474, 65.4478

 0.8791, 0.1835,  
0.0000

 147.6623,  
133.2791, 87.6223

 0.0000, 0.0000,  
0.0000

183.1502,

167.1178, 114.3128

223.9121,  
206.2480, 145.9377

■ 25.0261, 19.8412,  
7.6650

■ 25.0261, 19.8412,  
7.6650

■ 23.4310, 17.3775,  
4.8941

■ 26.9796, 22.7488,  
11.3979

■ 22.1677, 15.3310,  
2.9926

■ 29.3127, 26.1188,  
16.1714

■ 21.2073, 13.6768,  
1.8511

■ 32.0462, 29.9722,  
22.0574

■ 20.7293, 12.8211,  
1.3822

■ 35.1991, 34.3277,  
29.1207

■ 38.7890, 39.2032,  
37.4213

■ 42.8325, 44.6153,  
47.0151

■ 47.3452, 50.5803,  
57.9544

■ 52.3421, 57.1133,  
70.2889

■ 57.8373, 64.2293,  
84.0654

# Harmonies

## Analogous

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



28.2401, 19.8412, 14.2607



25.0261, 19.8412, 7.6650



20.4423, 19.8412, 5.2346

# Triad

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



25.0261, 19.8412, 7.6650



11.5558, 19.8412, 17.4829



21.9384, 19.8412, 54.3646

# Complementary

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



25.0261, 19.8412, 7.6650



20.9684, 25.0918, 47.9936

# 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.



17.3586, 19.8412, 56.3540



25.0261, 19.8412, 7.6650



11.8255, 19.8412, 31.1137

# Square

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



25.0261, 19.8412, 7.6650



12.9911, 19.8412, 9.2137



13.7978, 19.8412, 46.5992



26.2701, 19.8412, 41.9195



# Rectangle

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



25.0261, 19.8412, 7.6650



17.4300, 19.8412, 5.2199



13.7978, 19.8412, 46.5992



20.3629, 19.8412, 56.4261

# Sweetspot

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



25.0266, 19.8422, 7.6654



66.5896, 66.0200, 59.1558



26.5217, 15.9544, 29.3677



14.3074, 14.0365, 12.1458



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



25.0266, 19.8422, 7.6654



41.6010, 30.1037, 7.4779



32.6383, 35.0658, 10.2026



9.2260, 9.4549, 9.4456



14.6919, 9.1601, 0.9937



0.5748, 0.4366, 0.0540



# Inverse Universe

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



20.9684, 25.0918, 47.9936



33.5566, 40.1227, 86.2116



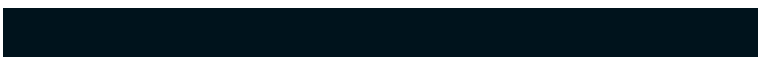
14.2794, 11.7139, 45.7639



9.0251, 9.7275, 11.4814



11.2485, 12.9567, 33.1611



0.4489, 0.5615, 1.1865



# Previews

## White Background



This preview shows how the XYZ color 25.0261, 19.8412, 7.6650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

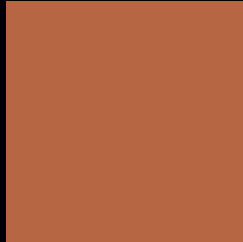
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.0261, 19.8412, 7.6650 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 25.0261, 19.8412, 7.6650**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0261, 19.8412, 7.6650.



This preview shows how white text looks on a background with the XYZ color 25.0261, 19.8412,

7.6650.

# 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

25.0261, 19.8412, 7.6650

### Protanopia

18.4354, 20.0606, 9.3790

### Deuteranopia

20.3245, 19.9911, 7.4901



## Tritanopia

26.5405, 19.7392, 15.5079

# Trichromacy



## Original Color

25.0261, 19.8412, 7.6650

## Protanomaly

20.3316, 19.6211, 8.6769

## Deuteranomaly

21.8238, 19.7450, 7.5114

## Tritanomaly

25.8357, 19.7291, 12.1193

# Monochromacy



## Original Color

25.0261, 19.8412, 7.6650

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

20.0306, 19.1501, 15.2110

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0261, 19.8412, 7.6650 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(182, 102, 66)` looks like.

```
.text, #text, p{  
    color:rgb(182, 102, 66)  
}
```

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(182, 102, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 102, 66) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0261, 19.8412, 7.6650 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(182, 102, 66) }
```



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

```
.border{ border-color:rgb(182, 102, 66) }
```

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

Here you see how a box with a 4 pixel rgb(182, 102, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 102, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 102, 66);  
box-shadow:4px 4px 4px 4px rgb(182, 102,  
66) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0261, 19.8412, 7.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 102, 66) }
```

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

```
.background{ background-color: rgb(182,  
102, 66) }
```

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