

# Converting Colors

XYZ(25.3688, 17.6668, 2.2165)

Have a look what the booklet for  
XYZ(25.3688, 17.6668, 2.2165)  
contains.

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# Color

**XYZ(25.3688, 17.6668,  
2.2165)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C25305
RGB	194, 83, 5
RGB Percent	76%, 33%, 2%
CMY	0.2392, 0.6745, 0.9804
CMYK	0.00, 0.57, 0.97, 0.24
HSL	25°, 95%, 39%
HSV	25°, 97%, 76%
XYZ	25.3688, 17.6668, 2.2165
YIQ	107.2970, 91.1940, -0.7260

# Conversions

## Conversions Part 2

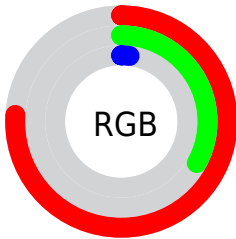
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">194, 138, 5</a>
Decimal	<a href="#">12735237</a>
CIELab	<a href="#">49.09, 41.37, 57.61</a>
CIElCh	<a href="#">49, 70.928, 54.320</a>
Yxy	<a href="#">17.6668, 0.5606, 0.3904</a>
Android (android.graphics.Color)	<a href="#">4290925317</a> ( <a href="#">0xFFC25305</a> )
YUV	<a href="#">107.2970, -50.4324, 76.0385</a>
Hunter-Lab	<a href="#">42.0319, 34.1798, 26.2957</a>

# Details

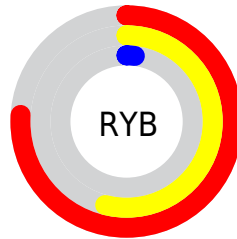
The XYZ color **25.3688, 17.6668, 2.2165** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **16.0450, 16.4170, 53.3617**, and the grayscale version is **14.1765, 14.9148, 16.2422**.

A 20% lighter version of the original color is **50.8012, 38.9468, 9.5426**, and **10.0057, 5.8855, 0.6087** is the 20% darker color. If you saturate the color by 10%, you get **25.1217, 17.2167, 1.9991**, and if you desaturate by 10%, it is **26.4554, 19.6136, 3.2777**.

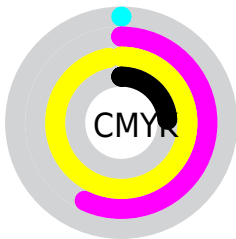
# Distribution



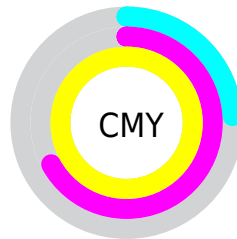
- Red (76%)
- Green (33%)
- Blue (2%)



- Red (76%)
- Yellow (54%)
- Blue (2%)



- Cyan (0%)
- Magenta (57%)
- Yellow (97%)
- Black (24%)




- Cyan (24%)
- Magenta (67%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3688, 17.6668, 2.2165 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 25.3688, 17.6668, 2.2165 by changing the saturation by 10% instead.





 25.3688, 17.6668,  
2.2165


 25.3688, 17.6668,  
2.2165


271.9835,  
238.9862, 125.6529


 16.4822, 10.7110,  
0.6839


 51.6935, 39.4687,  
9.6247


 9.9590, 5.8729,  
0.0000


 69.8623, 55.0837,  
16.3636

 5.4339, 2.7679,  
0.0000

 91.8560, 74.3538,  
25.6838

 2.5414, 1.0118,  
0.0000

 118.0397, 97.6636,  
38.0038

 0.9162, 0.0000,  
0.0000


 148.7790,  
125.3973, 53.7422


 0.0000, 0.0000,  
0.0000


 184.4392,


157.9394, 73.3175


 225.3856,  
195.6742, 97.1482


 25.3688, 17.6668,  
2.2165


 25.3688, 17.6668,  
2.2165


 25.1217, 17.2167,  
1.9991

 26.4554, 19.6136,  
3.2777

 27.8316, 21.9151,  
5.1266

 29.5339, 24.5964,  
7.9234

 31.5890, 27.6776,  
11.7808

 34.0204, 31.1767,  
16.7957

■ 36.8494, 35.1106,  
23.0538

■ 40.0954, 39.4951,  
30.6324

■ 43.7762, 44.3451,  
39.6029

■ 47.9088, 49.6745,  
50.0311

# Harmonies

## Analogous

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



31.2758, 17.6668, 7.7857



25.3688, 17.6668, 2.2165



18.0839, 17.6668, 0.9829

# Triad

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



25.3688, 17.6668, 2.2165



7.0397, 17.6668, 15.8476



22.6017, 17.6668, 75.2895

# Complementary

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



25.3688, 17.6668, 2.2165



16.0450, 16.4170, 53.3617

# 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.



15.5627, 17.6668, 83.1416



25.3688, 17.6668, 2.2165



7.6548, 17.6668, 38.5062

# Square

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



25.3688, 17.6668, 2.2165



8.4259, 17.6668, 4.8414



10.4053, 17.6668, 66.6758



29.4064, 17.6668, 49.3147



# Rectangle

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



25.3688, 17.6668, 2.2165



13.8346, 17.6668, 1.1203



10.4053, 17.6668, 66.6758



20.1428, 17.6668, 80.6353

# Sweetspot

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



25.3692, 17.6678, 2.2168



71.3814, 69.8687, 52.4987



25.5962, 12.8954, 18.4047



15.0657, 14.5375, 10.1703



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



25.3692, 17.6678, 2.2168



45.2778, 30.7191, 3.5430



37.6248, 42.1790, 6.3020



10.4070, 10.7455, 10.5874



16.5936, 11.4729, 1.3399



0.7848, 0.6314, 0.0805



# Inverse Universe

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



16.0450, 16.4170, 53.3617



28.2724, 28.3174, 96.4455



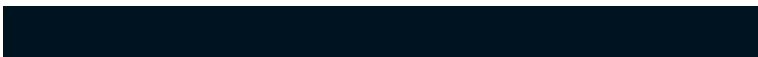
10.1248, 4.5766, 51.3883



10.0088, 10.7088, 12.8243



10.4357, 10.6278, 35.0580



0.5175, 0.5924, 1.5370



# Previews

## White Background



This preview shows how the XYZ color 25.3688, 17.6668, 2.2165 looks on a white 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



# Black Background



This preview shows how the XYZ color 25.3688, 17.6668, 2.2165 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 25.3688, 17.6668, 2.2165**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.3688, 17.6668, 2.2165.



This preview shows how white text looks on a background with the XYZ color 25.3688, 17.6668,



# 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

25.3688, 17.6668, 2.2165

### Protanopia

16.1117, 17.9094, 3.2238

### Tritanopia

26.9418, 17.6527, 9.9700

# Trichromacy



## Original Color

25.3688, 17.6668, 2.2165

## Protanomaly

18.6484, 17.1034, 2.7339

## Tritanomaly

25.9675, 17.4604, 5.4916

# Monochromacy



## Original Color

25.3688, 17.6668, 2.2165

## Achromatopsia

13.9749, 14.7027, 16.0113

## Achromatomaly

16.1206, 14.6665, 7.7756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.3688, 17.6668, 2.2165 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(194, 83, 5)` looks like.

```
.text, #text, p{  
    color:rgb(194, 83, 5)  
}
```

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(194, 83, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 83, 5) }
```

## Border

The CSS property to change the border of an element to XYZ 25.3688, 17.6668, 2.2165 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(194, 83, 5) }
```

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

```
.border{ border-color:rgb(194, 83, 5) }
```

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

Here you see how a box with a 4 pixel rgb(194, 83, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 83, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 83, 5);  
box-shadow:4px 4px 4px 4px rgb(194, 83, 5)  
}
```



# Background

The CSS property to change the background color of an element to XYZ 25.3688, 17.6668, 2.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 83, 5) }
```

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

```
.background{ background-color: rgb(194, 83,  
5) }
```

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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