

# Converting Colors

XYZ(25.2378, 22.6072, 6.1540)

Have a look what the booklet for  
XYZ(25.2378, 22.6072, 6.1540)  
contains.

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# Color

**XYZ(25.2074, 22.5430,  
6.1546)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B17633</a>
RGB	<a href="#">177, 118, 51</a>
RGB Percent	<a href="#">69%, 46%, 20%</a>
CMY	<a href="#">0.3059, 0.5372, 0.8000</a>
CMYK	<a href="#">0.00, 0.33, 0.71, 0.31</a>
HSL	<a href="#">32°, 55%, 45%</a>
HSV	<a href="#">32°, 71%, 69%</a>
XYZ	<a href="#">25.2074, 22.5430, 6.1546</a>
YIQ	<a href="#">128.0030, 56.6710, -8.3290</a>

# Conversions

## Conversions Part 2

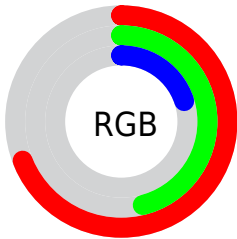
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 177, 51
Decimal	11630131
CIE Lab	54.60, 16.94, 44.97
CIE LCh	55, 48.051, 69.358
Yxy	22.5430, 0.4676, 0.4182
Android (android.graphics.Color)	4289820211 (0xFFB17633)
YUV	128.0030, -37.9625, 42.9704
Hunter-Lab	47.4795, 11.6786, 25.5501

# Details

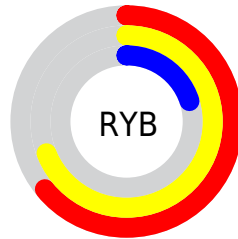
The XYZ color **25.2074, 22.5430, 6.1546** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.8766, 15.0291, 43.7114**, and the grayscale version is **20.6332, 21.7077, 23.6397**.

A 20% lighter version of the original color is **51.3158, 47.5219, 18.7799**, and **9.9359, 8.3734, 1.0925** is the 20% darker color. If you saturate the color by 10%, you get **23.9556, 20.5496, 4.1650**, and if you desaturate by 10%, it is **26.6946, 24.7696, 8.9559**.

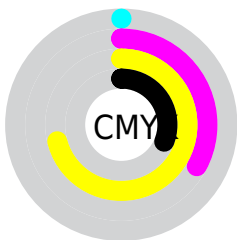
# Distribution



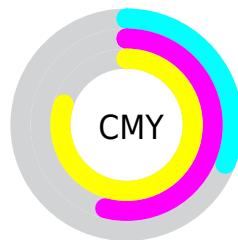
- Red (69%)
- Green (46%)
- Blue (20%)



- Red (64%)
- Yellow (69%)
- Blue (20%)



- Cyan (0%)
- Magenta (33%)
- Yellow (71%)
- Black (31%)




- Cyan (31%)
- Magenta (54%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2074, 22.5430, 6.1546 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 25.2074, 22.5430, 6.1546 by changing the saturation by 10% instead.





 25.2074, 22.5430,  
6.1546


 25.2074, 22.5430,  
6.1546


271.1979,  
265.3690, 169.7968


 16.3612, 14.2564,  
2.8690


 51.4340, 47.6418,  
18.7341

 9.8726, 8.2992,  
1.0281


 69.5450, 65.2229,  
28.8651

 5.3762, 4.2870,  
0.0000

 91.4751, 86.6709,  
42.1150

 2.5066, 1.8354,  
0.0000

 117.5895,  
112.3702, 58.9024

 0.8986, 0.5091,  
0.0000

 148.2536,  
142.7053, 79.6457

 0.0000, 0.0000,  
0.0000

 183.8328,

178.0606, 104.7635

224.6925,  
218.8203, 134.6744

■ 25.2074, 22.5430,  
6.1546

■ 25.2074, 22.5430,  
6.1546

■ 23.9556, 20.5496,  
4.1650

■ 26.6946, 24.7696,  
8.9559

■ 22.9175, 18.7744,  
2.8907

■ 28.4327, 27.2364,  
12.6478

■ 22.1452, 17.3747,  
2.1865

■ 30.4377, 29.9537,  
17.3012

■ 32.7234, 32.9303,  
22.9794

■ 35.3025, 36.1744,  
29.7403

■ 38.1871, 39.6937,  
37.6375

■ 41.3881, 43.4956,  
46.7207

■ 44.9163, 47.5871,  
57.0370

■ 48.7816, 51.9749,  
68.6307

# Harmonies

## Analogous

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



30.2715, 22.5430, 10.3409



25.2074, 22.5430, 6.1546



19.8180, 22.5430, 5.5849

# Triad

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



25.2074, 22.5430, 6.1546



12.8909, 22.5430, 29.5822



28.5293, 22.5430, 54.5794

# Complementary

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



25.2074, 22.5430, 6.1546



14.8766, 15.0291, 43.7114

# 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.



23.1196, 22.5430, 65.8494



25.2074, 22.5430, 6.1546



14.4977, 22.5430, 47.9799

# Square

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



25.2074, 22.5430, 6.1546



13.2625, 22.5430, 15.6580



18.0438, 22.5430, 63.0345



32.3974, 22.5430, 36.2851



# Rectangle

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



25.2074, 22.5430, 6.1546



16.8255, 22.5430, 6.9273



18.0438, 22.5430, 63.0345



26.7978, 22.5430, 59.5975

# Sweetspot

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



25.2079, 22.5441, 6.1550



63.1416, 64.6829, 53.0375



22.2343, 12.8825, 16.6149



13.4043, 13.6700, 10.7494



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



25.2079, 22.5441, 6.1550



41.8796, 35.0820, 6.1099



33.9762, 40.7853, 9.2138



8.8580, 9.2285, 8.9669



16.1063, 12.7112, 1.6046



0.5645, 0.5155, 0.0697



# Inverse Universe

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



14.8766, 15.0291, 43.7114



22.3171, 20.8935, 77.3519



10.5932, 6.3017, 42.2526



8.3590, 8.8643, 10.7767



8.0437, 6.8879, 31.0425

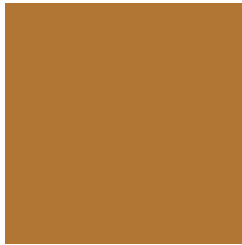


0.3117, 0.3338, 0.9962



# Previews

## White Background



This preview shows how the XYZ color 25.2074, 22.5430, 6.1546 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 25.2074, 22.5430, 6.1546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

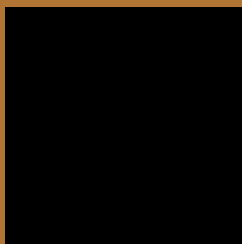
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.2074, 22.5430, 6.1546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.2074, 22.5430, 6.1546.



This preview shows how white text looks on a background with the XYZ color 25.2074, 22.5430,



# 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

25.2074, 22.5430, 6.1546

### Protanopia

20.6599, 22.6194, 6.8915

### Deuteranopia

22.9923, 22.6755, 6.0707



## Tritanopia

28.0703, 22.5245, 20.3210

# Trichromacy



## Original Color

25.2074, 22.5430, 6.1546

## Protanomaly

22.0313, 22.3561, 6.6440

## Deuteranomaly

23.6837, 22.4742, 6.1073

## Tritanomaly

26.8601, 22.5461, 13.5258

# Monochromacy



## Original Color

25.2074, 22.5430, 6.1546

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

21.3620, 21.4464, 15.0703

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.2074, 22.5430, 6.1546 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(177, 118, 51)` looks like.

```
.text, #text, p{  
    color:rgb(177, 118, 51)  
}
```

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(177, 118, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 118, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 25.2074, 22.5430, 6.1546 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(177, 118, 51) }
```



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

```
.border{ border-color:rgb(177, 118, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 118, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 118, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 118, 51);  
box-shadow:4px 4px 4px 4px rgb(177, 118,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.2074, 22.5430, 6.1546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 118, 51) }
```

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

```
.background{ background-color: rgb(177,  
118, 51) }
```

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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