

# Converting Colors

XYZ(25.5058, 40.3734, 17.3224)

Have a look what the booklet for  
XYZ(25.5058, 40.3734, 17.3224)  
contains.

<b>XYZ(25.4088, 40.1945, 17.2456)</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(25.4088, 40.1945,  
17.2456)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61BE5F
RGB	97, 190, 95
RGB Percent	38%, 75%, 37%
CMY	0.6196, 0.2549, 0.6274
CMYK	0.49, 0.00, 0.50, 0.25
HSL	119°, 42%, 56%
HSV	119°, 50%, 75%
XYZ	25.4088, 40.1945, 17.2456
YIQ	151.3630, -24.9330, -49.2610

# Conversions

## Conversions Part 2

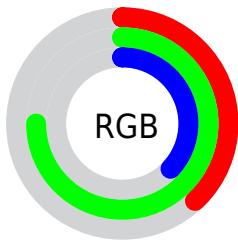
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 190, 188
Decimal	6405727
CIELab	69.61, -46.90, 39.39
CIELCh	70, 61.249, 139.977
Yxy	40.1945, 0.3067, 0.4852
Android (android.graphics.Color)	4284595807 (0xFF61BE5F)
YUV	151.3630, -27.7870, -47.6764
Hunter-Lab	63.3991, -39.4101, 28.2515

# Details

The XYZ color **25.4088, 40.1945, 17.2456** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.1274, 22.5948, 51.2798**, and the grayscale version is **29.6950, 31.2415, 34.0220**.

A 20% lighter version of the original color is **51.6641, 75.4004, 39.4345**, and **10.0408, 18.1911, 5.4647** is the 20% darker color. If you saturate the color by 10%, you get **22.8936, 38.9870, 13.1565**, and if you desaturate by 10%, it is **28.6013, 41.7292, 22.4676**.

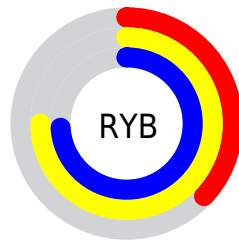
# Distribution



Red (38%)

Green (75%)

Blue (37%)



Red (37%)

Yellow (75%)

Blue (74%)

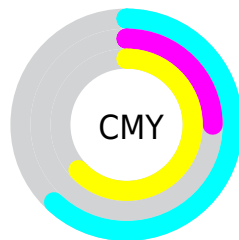


Cyan (49%)

Magenta (0%)

Yellow (50%)

Black (25%)



Cyan (62%)

Magenta (25%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4088, 40.1945, 17.2456 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 25.4088, 40.1945, 17.2456 by changing the saturation by 10% instead.



■ 25.4088, 40.1945,  
17.2456

■ 25.4088, 40.1945,  
17.2456

272.1780,  
346.9427, 248.6754

■ 16.5122, 27.6902,  
10.2459

■ 51.7578, 75.4596,  
39.5440

■ 9.9805, 18.0923,  
5.4546

■ 69.9409, 98.9892,  
55.6798

■ 5.4482, 11.0163,  
2.4530

■ 91.9503, 126.9627,  
75.6981

■ 2.5500, 6.0778,  
0.8151

■ 118.1512,  
159.7645, 100.0174

■ 0.9205, 2.8924,  
0.0000

148.9091,  
197.7791, 129.0562

■ 0.0000, 1.0758,  
0.0000

184.5893,

■ 0.0000, 0.0000,

241.3907, 163.2331

0.0000

225.5571,  
290.9837, 202.9667

■ 25.4088, 40.1945,  
17.2456

■ 25.4088, 40.1945,  
17.2456

■ 22.8936, 38.9870,  
13.1565

■ 28.6013, 41.7292,  
22.4676

■ 21.0042, 38.0783,  
10.1140

■ 32.5119, 43.6070,  
28.8949

■ 19.6865, 37.4439,  
8.0237


■ 37.1818, 45.8487,  
36.5973


■ 18.8760, 37.0529,  
6.7732


■ 42.6480, 48.4722,  
45.6384


■ 18.4643, 36.8543,  
6.1404


■ 48.9453, 51.4941,  
56.0774

 18.4643, 36.8543,  
6.1404

 56.1063, 54.9299,  
67.9701

 64.1620, 58.7946,  
81.3693

 73.1417, 63.1020,  
96.3250

 77.7042, 65.3085,  
103.1181

# Harmonies

## Analogous

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



32.0660, 40.1945, 9.9339



25.4088, 40.1945, 17.2456



22.3654, 40.1945, 34.9506

# Triad

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



25.4088, 40.1945, 17.2456



34.9873, 40.1945, 122.3264



59.0171, 40.1945, 27.6657

# Complementary

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



25.4088, 40.1945, 17.2456



34.1274, 22.5948, 51.2798

# 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.



60.1661, 40.1945, 53.9491



25.4088, 40.1945, 17.2456



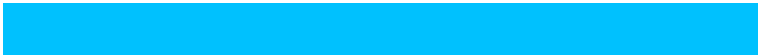
45.0784, 40.1945, 117.5358

# Square

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



25.4088, 40.1945, 17.2456



27.2289, 40.1945, 100.1497



54.7020, 40.1945, 88.9852



51.7904, 40.1945, 13.8967



# Rectangle

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



25.4088, 40.1945, 17.2456



22.3635, 40.1945, 53.8988



54.7020, 40.1945, 88.9852



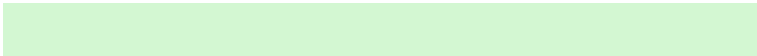
60.1697, 40.1945, 34.9883

# Sweetspot

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



25.4098, 40.1962, 17.2465



71.9036, 85.2543, 73.8006



41.0375, 47.2454, 17.7835



15.3341, 18.5026, 15.4532



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



25.4098, 40.1962, 17.2465



41.1037, 70.4639, 23.2239



27.8186, 41.1354, 31.0289



9.4268, 10.6589, 10.1372



12.2856, 24.5093, 4.0833



0.4877, 0.9634, 0.1602



# Inverse Universe

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



34.1274, 22.5948, 51.2798



58.6861, 34.9233, 91.9269



30.4912, 21.1976, 29.5441



9.9096, 9.6858, 12.0195



19.6544, 9.4183, 33.1749



0.7762, 0.3722, 1.2998



# Previews

## White Background



This preview shows how the XYZ color 25.4088, 40.1945, 17.2456 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

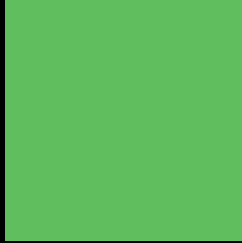
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.4088, 40.1945, 17.2456 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

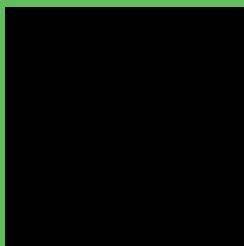
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 25.4088, 40.1945, 17.2456**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.4088, 40.1945, 17.2456.



This preview shows how white text looks on a background with the XYZ color 25.4088, 40.1945,



# 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

25.4088, 40.1945, 17.2456

### Protanopia

36.1991, 39.5196, 14.9527

### Deuteranopia

40.3200, 39.4282, 18.0557



## Tritanopia

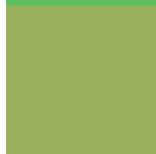
33.3289, 39.9868, 57.0005

# Trichromacy



## Original Color

25.4088, 40.1945, 17.2456



## Protanomaly

30.9369, 39.0696, 15.8082



## Deuteranomaly

32.7305, 38.5129, 17.5130



## Tritanomaly

29.5354, 39.6506, 38.4444

# Monochromacy



## Original Color

25.4088, 40.1945, 17.2456



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

26.9119, 33.3743, 26.4962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.4088, 40.1945, 17.2456 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(97, 190, 95)` looks like.

```
.text, #text, p{  
    color:rgb(97, 190, 95)  
}
```

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(97, 190, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 190, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 25.4088, 40.1945, 17.2456 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(97, 190, 95) }
```



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

```
.border{ border-color:rgb(97, 190, 95) }
```

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

Here you see how a box with a 4 pixel rgb(97, 190, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 190, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 190, 95);  
box-shadow:4px 4px 4px 4px rgb(97, 190,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.4088, 40.1945, 17.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 190, 95) }
```

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

```
.background{ background-color: rgb(97, 190,  
95) }
```

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