

Converting Colors

XYZ(25.0769, 40.6657, 6.5276)

Have a look what the booklet for
XYZ(25.0769, 40.6657, 6.5276)
contains.

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Color

**XYZ(25.0612, 40.5766,
6.5112)**

Conversions

Conversions Part 1

Format	Color
Hex	6EBF00
RGB	110, 191, 0
RGB Percent	43%, 75%, 0%
CMY	0.5686, 0.2510, 0.9999
CMYK	0.42, 0.00, 1.00, 0.25
HSL	85°, 100%, 37%
HSV	85°, 100%, 75%
XYZ	25.0612, 40.5766, 6.5112
YIQ	145.0070, 13.0350, -76.5730

Conversions

Conversions Part 2

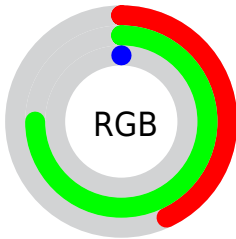
Format	Color
RYB	0, 191, 81
Decimal	7257856
CIELab	69.88, -49.54, 69.86
CIElCh	70, 85.642, 125.346
Yxy	40.5766, 0.3474, 0.5624
Android (android.graphics.Color)	4285447936 (0xFF6EBF00)
YUV	145.0070, -71.4885, -30.7011
Hunter-Lab	63.6998, -41.2479, 38.5294

Details

The XYZ color **25.0612, 40.5766, 6.5112** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **12.8001, 5.5126, 49.6819**, and the grayscale version is **27.1962, 28.6125, 31.1591**.

A 20% lighter version of the original color is **51.1638, 76.0388, 19.5698**, and **10.2123, 18.5443, 3.0412** is the 20% darker color. If you saturate the color by 10%, you get **25.0609, 40.5778, 6.5114**, and if you desaturate by 10%, it is **26.2352, 41.1694, 7.1853**.

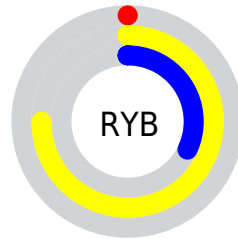
Distribution



Red (43%)

Green (75%)

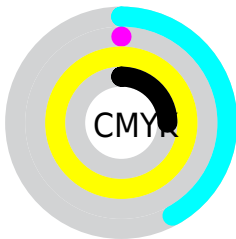
Blue (0%)



Red (0%)

Yellow (75%)

Blue (32%)

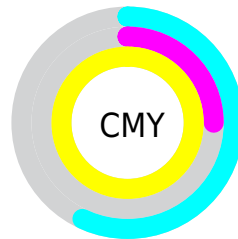


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (57%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0612, 40.5766, 6.5112 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 25.0612, 40.5766, 6.5112 by changing the saturation by 10% instead.


 25.0612, 40.5766,
6.5112


 25.0612, 40.5766,
6.5112


270.4846,
348.5479, 173.0118


 16.2516, 27.9884,
3.0846


 51.1987, 76.0407,
19.4787


 9.7944, 18.3169,
1.1380


 69.2573, 99.6855,
29.8567

 5.3240, 11.1778,
0.0000


 91.1296, 127.7845,
43.3889

 2.4753, 6.1865,
0.0000

 117.1810,
160.7222, 60.4939

 0.8828, 2.9588,
0.0000

 147.7769,
198.8830, 81.5901

 0.0000, 1.1103,
0.0000

 183.2825,

 0.0000, 0.0000,

242.6513, 107.0961

0.0000

224.0633,
292.4115, 137.4305

■ 25.0612, 40.5766,
6.5112

■ 25.0612, 40.5766,
6.5112

■ 25.0609, 40.5778,
6.5114

■ 26.2352, 41.1694,
7.1853

■ 27.6191, 41.8557,
8.4758

■ 29.2582, 42.6553,
10.6043

■ 31.1758, 43.5777,
13.6829

■ 33.3921, 44.6313,
17.8062

■ 35.9249, 45.8233,
23.0575

■ 38.7903, 47.1607,
29.5116

■ 42.0035, 48.6494,
37.2371

■ 45.5781, 50.2954,
46.2973

Harmonies

Analogous

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



36.1263, 40.5766, 3.3704



25.0612, 40.5766, 6.5112



18.9955, 40.5766, 19.2970

Triad

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



25.0612, 40.5766, 6.5112



28.4436, 40.5766, 156.8997



71.8298, 40.5766, 37.4166

Complementary

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



25.0612, 40.5766, 6.5112



12.8001, 5.5126, 49.6819

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.



68.3693, 40.5766, 84.4967



25.0612, 40.5766, 6.5112



41.1149, 40.5766, 172.9059

Square

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



25.0612, 40.5766, 6.5112



20.5937, 40.5766, 105.0267



56.2179, 40.5766, 140.8547



64.7810, 40.5766, 13.0156

Rectangle

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



25.0612, 40.5766, 6.5112



17.5661, 40.5766, 38.2478



56.2179, 40.5766, 140.8547



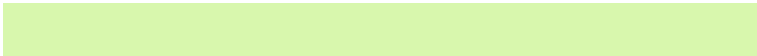
71.8724, 40.5766, 50.6981

Sweetspot

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



25.0621, 40.5784, 6.5121



69.2072, 84.3387, 52.2402



24.3262, 16.7554, 1.9526



14.7026, 18.2896, 10.3385



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.



25.0621, 40.5784, 6.5121



44.5985, 72.5254, 11.6482



18.8444, 37.3730, 6.2211



9.9206, 10.9135, 10.1603



16.5625, 26.7142, 4.2834



0.7220, 1.0842, 0.1712

Inverse Universe

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



12.8001, 5.5126, 49.6819



22.6579, 9.7350, 88.9640



27.1038, 12.8864, 50.3513



9.3898, 9.4178, 11.9951



8.4988, 3.6674, 32.6528



0.4077, 0.1822, 1.2825

Previews

White Background



This preview shows how the XYZ color 25.0612, 40.5766, 6.5112 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 25.0612, 40.5766, 6.5112 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 25.0612, 40.5766, 6.5112

Background



This preview shows how black text looks on a background with the XYZ color 25.0612, 40.5766, 6.5112.



This preview shows how white text looks on a background with the XYZ color 25.0612, 40.5766,

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

25.0612, 40.5766, 6.5112

Protanopia

36.1130, 39.9559, 5.8089

Deuteranopia

40.8263, 39.9258, 7.3884



Tritanopia

34.9505, 40.5521, 55.8544

Trichromacy



Original Color

25.0612, 40.5766, 6.5112

Protanomaly

30.8207, 39.5222, 6.0041

Deuteranomaly

32.8219, 38.8011, 6.6236

Tritanomaly

28.7585, 39.5572, 24.5319

Monochromacy



Original Color

25.0612, 40.5766, 6.5112

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.3678, 31.5189, 14.9247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0612, 40.5766, 6.5112 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(110, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 191, 0)  
}
```

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(110, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.0612, 40.5766, 6.5112 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(110, 191, 0) }
```


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

```
.border{ border-color:rgb(110, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0612, 40.5766, 6.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 191, 0) }
```

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

```
.background{ background-color: rgb(110,  
191, 0) }
```

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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