

Converting Colors

XYZ(25.4864, 40.0570, 6.3885)

Have a look what the booklet for
XYZ(25.4864, 40.0570, 6.3885)
contains.

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Color

**XYZ(25.5337, 40.1771,
6.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	75BD00
RGB	117, 189, 0
RGB Percent	46%, 74%, 0%
CMY	0.5412, 0.2588, 0.9999
CMYK	0.38, 0.00, 1.00, 0.26
HSL	83°, 100%, 37%
HSV	83°, 100%, 74%
XYZ	25.5337, 40.1771, 6.4092
YIQ	145.9260, 17.7570, -74.0430

Conversions

Conversions Part 2

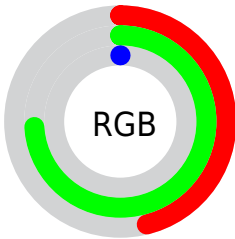
Format	Color
RYB	0, 189, 72
Decimal	7716096
CIELab	69.60, -46.32, 69.78
CIELCh	70, 83.755, 123.579
Yxy	40.1771, 0.3540, 0.5571
Android (android.graphics.Color)	4285906176 (0xFF75BD00)
YUV	145.9260, -71.9415, -25.3681
Hunter-Lab	63.3854, -39.0189, 38.3747

Details

The XYZ color **25.5337, 40.1771, 6.4092** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **11.8603, 5.0534, 48.4967**, and the grayscale version is **27.5737, 29.0097, 31.5916**.

A 20% lighter version of the original color is **52.0462, 75.5900, 19.2443**, and **10.4089, 18.2275, 2.9697** is the 20% darker color. If you saturate the color by 10%, you get **25.5335, 40.1783, 6.4094**, and if you desaturate by 10%, it is **26.6566, 40.7437, 7.0719**.

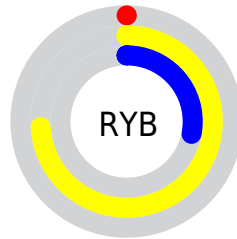
Distribution



Red (46%)

Green (74%)

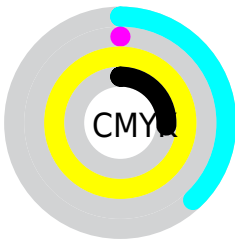
Blue (0%)



Red (0%)

Yellow (74%)

Blue (28%)

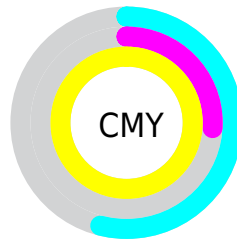


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (54%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5337, 40.1771, 6.4092 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 25.5337, 40.1771, 6.4092 by changing the saturation by 10% instead.


 25.5337, 40.1771,
6.4092


 25.5337, 40.1771,
6.4092


272.7843,
346.8695, 172.1004


 16.6060, 27.6767,
3.0227


 51.9584, 75.4331,
19.2666

 10.0475, 18.0821,
1.1062


 70.1861, 98.9575,
29.5746

 5.4930, 11.0089,
0.0000


 92.2445, 126.9253,
43.0268

 2.5770, 6.0728,
0.0000

 118.4989,
159.7209, 60.0418

 0.9343, 2.8894,
0.0000

 149.3148,
197.7287, 81.0382

 0.0000, 1.0743,
0.0000

 185.0574,

 0.0000, 0.0000,

241.3332, 106.4343

0.0000

226.0921,
290.9186, 136.6489

■ 25.5337, 40.1771,
6.4092

■ 25.5337, 40.1771,
6.4092

■ 25.5335, 40.1783,
6.4094

■ 26.6566, 40.7437,
7.0719

■ 27.9679, 41.3932,
8.3343

■ 29.5114, 42.1444,
10.4139

■ 31.3092, 43.0066,
13.4197

■ 33.3803, 43.9874,
17.4441

■ 35.7416, 45.0937,
22.5681

■ 38.4082, 46.3318,
28.8646

■ 41.3942, 47.7074,
36.4003

■ 44.7126, 49.2260,
45.2368

Harmonies

Analogous

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



36.5868, 40.1771, 3.5656



25.5337, 40.1771, 6.4092



19.3109, 40.1771, 18.2689

Triad

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



25.5337, 40.1771, 6.4092



27.7445, 40.1771, 150.0918



70.4682, 40.1771, 39.2599

Complementary

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



25.5337, 40.1771, 6.4092



11.8603, 5.0534, 48.4967

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.



66.5331, 40.1771, 85.9621



25.5337, 40.1771, 6.4092



39.8335, 40.1771, 168.1378

Square

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



25.5337, 40.1771, 6.4092



20.3597, 40.1771, 99.2235



54.4525, 40.1771, 139.7629



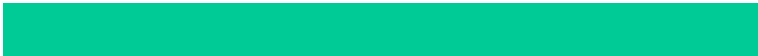
64.2103, 40.1771, 14.1294

Rectangle

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



25.5337, 40.1771, 6.4092



17.7351, 40.1771, 35.9335



54.4525, 40.1771, 139.7629



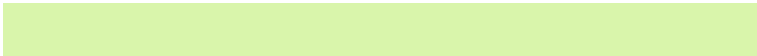
70.2991, 40.1771, 52.6160

Sweetspot

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



25.5346, 40.1789, 6.4101



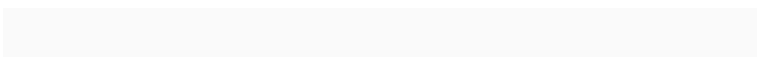
68.5384, 82.8618, 51.0898



23.1349, 15.1144, 1.6986



14.2937, 17.6128, 9.9173



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.5346, 40.1789, 6.4101



45.4528, 71.8139, 11.4659



18.6049, 36.6064, 6.0858



9.9605, 10.9340, 10.1621



17.2661, 27.0769, 4.3163



0.7470, 1.0971, 0.1724

Inverse Universe

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



11.8603, 5.0534, 48.4967



20.9926, 8.9217, 86.8418



24.4559, 11.5467, 49.0862



9.3509, 9.3977, 11.9933



8.0580, 3.4401, 32.6322



0.3890, 0.1726, 1.2817

Previews

White Background



This preview shows how the XYZ color 25.5337, 40.1771, 6.4092 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 25.5337, 40.1771, 6.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

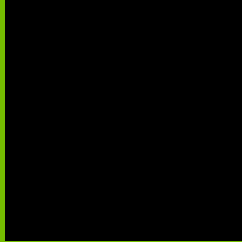
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.5337, 40.1771, 6.4092

Background



This preview shows how black text looks on a background with the XYZ color 25.5337, 40.1771, 6.4092.



This preview shows how white text looks on a background with the XYZ color 25.5337, 40.1771,

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

25.5337, 40.1771, 6.4092

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

40.3453, 39.4213, 7.2329



Tritanopia

35.3008, 40.1716, 54.6085

Trichromacy



Original Color

25.5337, 40.1771, 6.4092

Protanomaly

31.0320, 39.3368, 5.9572

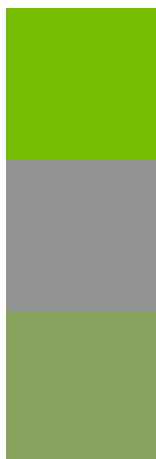
Deuteranomaly

33.0879, 38.6567, 6.5817

Tritanomaly

29.1810, 39.1740, 24.1125

Monochromacy



Original Color

25.5337, 40.1771, 6.4092

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

24.8878, 31.7819, 15.1787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5337, 40.1771, 6.4092 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(117, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 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(117, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.5337, 40.1771, 6.4092 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(117, 189, 0) }
```


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

```
.border{ border-color:rgb(117, 189, 0) }
```

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

Here you see how a box with a 4 pixel rgb(117, 189, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5337, 40.1771, 6.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 0) }
```

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

```
.background{ background-color: rgb(117,  
189, 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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