

Converting Colors

XYZ(25.5014, 42.7121, 16.5502)

Have a look what the booklet for
XYZ(25.5014, 42.7121, 16.5502)
contains.

XYZ(25.3790, 42.5097, 16.5404)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.3790, 42.5097,
16.5404)**

Conversions

Conversions Part 1

Format	Color
Hex	53C55A
RGB	83, 197, 90
RGB Percent	33%, 77%, 35%
CMY	0.6745, 0.2274, 0.6470
CMYK	0.58, 0.00, 0.54, 0.23
HSL	124°, 50%, 55%
HSV	124°, 58%, 77%
XYZ	25.3790, 42.5097, 16.5404
YIQ	150.7160, -33.5970, -57.4450

Conversions

Conversions Part 2

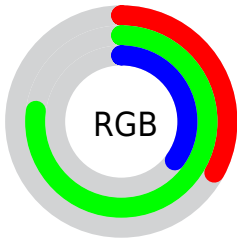
Format	Color
RYB	83, 190, 197
Decimal	5490010
CIELab	71.22, -53.98, 43.67
CIElCh	71, 69.432, 141.031
Yxy	42.5097, 0.3006, 0.5035
Android (android.graphics.Color)	4283680090 (0xFF53C55A)
YUV	150.7160, -29.9330, -59.3869
Hunter-Lab	65.1995, -44.6176, 30.5984

Details

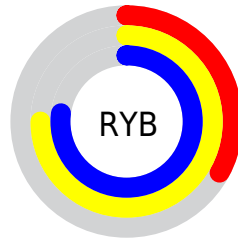
The XYZ color **25.3790, 42.5097, 16.5404** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **35.4147, 21.7753, 51.0527**, and the grayscale version is **29.4290, 30.9616, 33.7172**.

A 20% lighter version of the original color is **51.8733, 79.2540, 38.5501**, and **10.0392, 19.4925, 5.1528** is the 20% darker color. If you saturate the color by 10%, you get **23.1901, 41.4624, 12.8286**, and if you desaturate by 10%, it is **28.2595, 43.8934, 21.3082**.

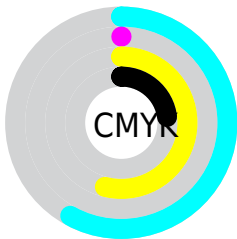
Distribution



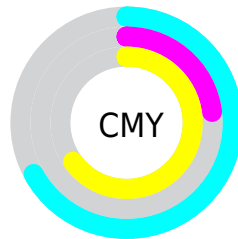
- Red (33%)
- Green (77%)
- Blue (35%)



- Red (33%)
- Yellow (75%)
- Blue (77%)



- Cyan (58%)
- Magenta (0%)
- Yellow (54%)
- Black (23%)



- Cyan (67%)
- Magenta (23%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3790, 42.5097, 16.5404 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 25.3790, 42.5097, 16.5404 by changing the saturation by 10% instead.

■ 25.3790, 42.5097,
16.5404

■ 25.3790, 42.5097,
16.5404

272.0331,
356.5915, 244.4634

■ 16.4899, 29.5006,
9.7489

■ 51.7099, 78.9705,
38.3136

■ 9.9645, 19.4598,
5.1294

■ 69.8824, 103.1909,
54.1324

■ 5.4375, 12.0030,
2.2633

■ 91.8800, 131.9173,
73.7973

■ 2.5436, 6.7457,
0.7105

■ 118.0682,
165.5339, 97.7270

■ 0.9173, 3.3036,
0.0000

148.8122,
204.4253, 126.3398

■ 0.0000, 1.2922,
0.0000

184.4775,

■ 0.0000, 0.1352,

248.9757, 160.0545

0.0000

225.4293,
299.5697, 199.2895

■ 0.0000, 0.0000,
0.0000

■ 25.3790, 42.5097,
16.5404

■ 25.3790, 42.5097,
16.5404

■ 23.1901, 41.4624,
12.8286

■ 28.2595, 43.8934,
21.3082

■ 21.6318, 40.7181,
10.0901

■ 31.8798, 45.6330,
27.2009

■ 20.6379, 40.2457,
8.2344

■ 36.2874, 47.7530,
34.2848

■ 20.1135, 39.9988,
7.1523

■ 41.5249, 50.2739,
42.6204

■ 20.0341, 39.9610,
7.0084

■ 47.6319, 53.2151,
52.2639

■ 54.6453, 56.5943,
63.2682

■ 62.6001, 60.4287,
75.6834

■ 71.5294, 64.7340,
89.5568

■ 79.2571, 68.4142,
103.6357

Harmonies

Analogous

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



32.8913, 42.5097, 8.5289



25.3790, 42.5097, 16.5404



22.0805, 42.5097, 36.9928

Triad

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



25.3790, 42.5097, 16.5404



37.0137, 42.5097, 142.8853



65.1077, 42.5097, 26.8798

Complementary

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



25.3790, 42.5097, 16.5404



35.4147, 21.7753, 51.0527

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.



66.7955, 42.5097, 57.0178



25.3790, 42.5097, 16.5404



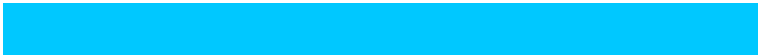
48.9820, 42.5097, 135.6199

Square

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



25.3790, 42.5097, 16.5404



27.8975, 42.5097, 116.1657



60.4276, 42.5097, 99.4466



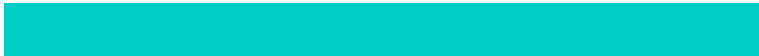
56.1812, 42.5097, 12.1922

Rectangle

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



25.3790, 42.5097, 16.5404



22.1742, 42.5097, 59.6683



60.4276, 42.5097, 99.4466



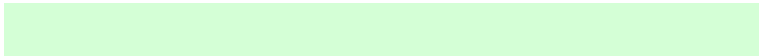
66.6001, 42.5097, 35.0707

Sweetspot

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



25.3800, 42.5115, 16.5414



74.9881, 90.3361, 77.3121



43.0908, 51.6745, 15.8868



15.6103, 19.1237, 15.8500



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.



25.3800, 42.5115, 16.5414



40.8280, 73.9202, 21.7571



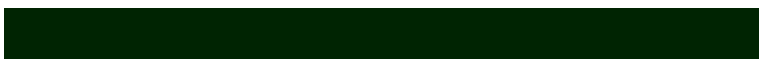
28.6996, 43.8393, 34.0221



10.5234, 11.8983, 11.4407



13.1876, 26.2874, 4.6668



0.6338, 1.2485, 0.2705

Inverse Universe

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



35.4147, 21.7753, 51.0527



60.3981, 33.4026, 89.0060



30.4444, 19.7871, 24.8796



11.0539, 10.8049, 13.2671



20.9096, 10.1134, 31.0635



0.9988, 0.4824, 1.5168

Previews

White Background



This preview shows how the XYZ color 25.3790, 42.5097, 16.5404 looks on a white background.

Color Contrast Check

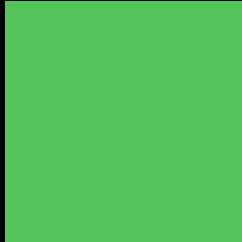
Large Text (above 18pt) WCAG AA × Fail

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 25.3790, 42.5097, 16.5404 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 25.3790, 42.5097, 16.5404

Background



This preview shows how black text looks on a background with the XYZ color 25.3790, 42.5097, 16.5404.



This preview shows how white text looks on a background with the XYZ color 25.3790, 42.5097,

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

25.3790, 42.5097, 16.5404

Protanopia

38.2048, 41.7028, 14.0185

Deuteranopia

42.5237, 41.6410, 17.3515



Tritanopia

34.2047, 42.1831, 60.9829

Trichromacy



Original Color

25.3790, 42.5097, 16.5404



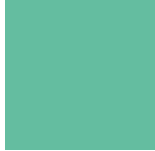
Protanomaly

31.3165, 40.7872, 14.8165



Deuteranomaly

33.0975, 40.1630, 16.8343



Tritanomaly

29.7983, 41.6426, 39.7250

Monochromacy



Original Color

25.3790, 42.5097, 16.5404



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.5693, 34.0259, 25.9362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3790, 42.5097, 16.5404 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(83, 197, 90)` looks like.

```
.text, #text, p{  
    color:rgb(83, 197, 90)  
}
```

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(83, 197, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 197, 90) }
```

Border

The CSS property to change the border of an element to XYZ 25.3790, 42.5097, 16.5404 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(83, 197, 90) }
```


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

```
.border{ border-color:rgb(83, 197, 90) }
```

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

Here you see how a box with a 4 pixel rgb(83, 197, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 197, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 197, 90);  
box-shadow:4px 4px 4px 4px rgb(83, 197,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3790, 42.5097, 16.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 197, 90) }
```

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

```
.background{ background-color: rgb(83, 197,  
90) }
```

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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