

Converting Colors

XYZ(25.4418, 42.3388, 6.8313)

Have a look what the booklet for
XYZ(25.4418, 42.3388, 6.8313)
contains.

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Color

**XYZ(25.4488, 42.4229,
6.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	68C400
RGB	104, 196, 0
RGB Percent	41%, 77%, 0%
CMY	0.5922, 0.2314, 0.9999
CMYK	0.47, 0.00, 1.00, 0.23
HSL	88°, 100%, 38%
HSV	88°, 100%, 77%
XYZ	25.4488, 42.4229, 6.8471
YIQ	146.1480, 8.0840, -80.4600

Conversions

Conversions Part 2

Format	Color
RYB	0, 196, 92
Decimal	6865920
CIELab	71.16, -53.43, 70.75
CIELCh	71, 88.656, 127.062
Yxy	42.4229, 0.3406, 0.5678
Android (android.graphics.Color)	4285056000 (0xFF68C400)
YUV	146.1480, -72.0510, -36.9638
Hunter-Lab	65.1329, -44.2388, 39.3601

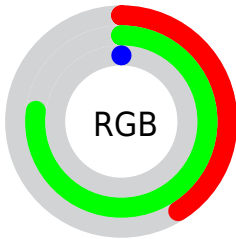
Details

The XYZ color **25.4488, 42.4229, 6.8471** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.3806, 6.2627, 52.6778**, and the grayscale version is **27.6685, 29.1094, 31.7002**.

A 20% lighter version of the original color is **51.7147, 78.6312, 20.2363**, and **10.3242, 19.4618, 3.2124** is the 20% darker color. If you saturate the color by 10%, you get **25.4486, 42.4241, 6.8474**, and if you desaturate by 10%, it is **26.6996, 43.0549, 7.5474**.

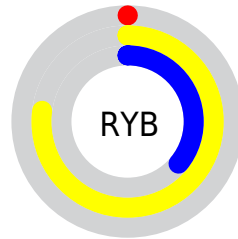
Distribution



Red (41%)

Green (77%)

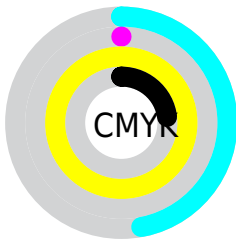
Blue (0%)



Red (0%)

Yellow (77%)

Blue (36%)

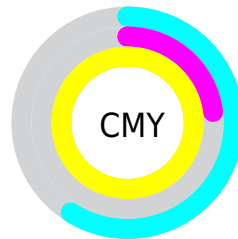


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (59%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4488, 42.4229, 6.8471 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 25.4488, 42.4229, 6.8471 by changing the saturation by 10% instead.


 25.4488, 42.4229,
6.8471


 25.4488, 42.4229,
6.8471


272.3723,
356.2330, 175.9696


 16.5423, 29.4326,
3.2897

 51.8220, 78.8393,
20.1726


 10.0019, 19.4083,
1.2444


 70.0195, 103.0341,
30.7777

 5.4625, 11.9657,
0.0155


 92.0445, 131.7326,
44.5691

 2.5586, 6.7203,
0.0000

 118.2626,
165.3190, 61.9653

 0.9249, 3.2878,
0.0000

 149.0391,
204.1779, 83.3849

 0.0000, 1.2838,
0.0000

 184.7393,

 0.0000, 0.1286,

248.6936, 109.2465

0.0000

225.7286,
299.2505, 139.9685

■ 0.0000, 0.0000,
0.0000

■ 25.4488, 42.4229,
6.8471

■ 25.4488, 42.4229,
6.8471

■ 25.4486, 42.4241,
6.8474

■ 26.6996, 43.0549,
7.5474

■ 28.1938, 43.7966,
8.9063

■ 29.9795, 44.6692,
11.1554

■ 32.0825, 45.6834,
14.4141

■ 34.5253, 46.8486,
18.7838

■ 37.3278, 48.1729,
24.3531

■ 40.5079, 49.6640,
31.2020

■ 44.0824, 51.3290,
39.4034

■ 48.0669, 53.1742,
49.0247

Harmonies

Analogous

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



36.9130, 42.4229, 3.2903



25.4488, 42.4229, 6.8471



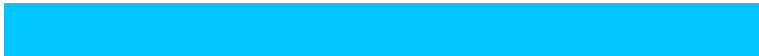
19.3328, 42.4229, 21.0944

Triad

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



25.4488, 42.4229, 6.8471



30.1886, 42.4229, 169.7886



75.8023, 42.4229, 36.8517

Complementary

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



25.4488, 42.4229, 6.8471



14.3806, 6.2627, 52.6778

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.



72.7364, 42.4229, 85.9391



25.4488, 42.4229, 6.8471



43.9340, 42.4229, 184.0913

Square

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



25.4488, 42.4229, 6.8471



21.5633, 42.4229, 115.0551



60.0880, 42.4229, 146.9569



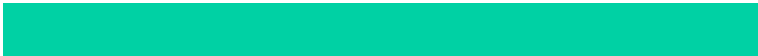
67.6587, 42.4229, 12.3632

Rectangle

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



25.4488, 42.4229, 6.8471



18.0047, 42.4229, 42.1269



60.0880, 42.4229, 146.9569



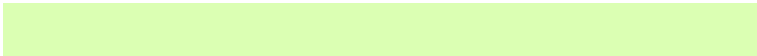
76.0753, 42.4229, 50.5092

Sweetspot

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



25.4498, 42.4247, 6.8480



73.0858, 89.8280, 55.8697



26.5483, 19.3007, 2.3267



15.1001, 18.9726, 10.7693



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.



25.4498, 42.4247, 6.8480



45.7984, 76.6950, 12.3898



19.8230, 39.5240, 6.5847



10.4431, 11.5159, 10.7343



16.4513, 27.3098, 4.4042



0.7898, 1.2207, 0.1940

Inverse Universe

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



14.3806, 6.2627, 52.6778



25.7556, 11.1924, 95.4106



31.0678, 14.8653, 53.4588



9.9678, 9.9746, 12.6848



9.3366, 4.0736, 33.8508



0.4829, 0.2170, 1.4663

Previews

White Background



This preview shows how the XYZ color 25.4488, 42.4229, 6.8471 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 25.4488, 42.4229, 6.8471 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 25.4488, 42.4229, 6.8471

Background



This preview shows how black text looks on a background with the XYZ color 25.4488, 42.4229, 6.8471.



This preview shows how white text looks on a background with the XYZ color 25.4488, 42.4229,

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

25.4488, 42.4229, 6.8471

Protanopia

37.6417, 41.8742, 6.0986

Deuteranopia

42.5719, 41.6095, 7.7951



Tritanopia

35.8593, 42.1542, 59.0699

Trichromacy



Original Color

25.4488, 42.4229, 6.8471



Protanomaly

31.6282, 41.1373, 6.2733



Deuteranomaly

33.8323, 40.4680, 6.9477



Tritanomaly

29.2177, 41.0144, 25.7787

Monochromacy



Original Color

25.4488, 42.4229, 6.8471



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.6113, 32.1665, 15.2675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4488, 42.4229, 6.8471 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(104, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 196, 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(104, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.4488, 42.4229, 6.8471 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(104, 196, 0) }
```


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

```
.border{ border-color:rgb(104, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(104, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 196,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4488, 42.4229, 6.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 196, 0) }
```

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

```
.background{ background-color: rgb(104,  
196, 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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