

Converting Colors

XYZ(25.2023, 42.1300, 3.3255)

Have a look what the booklet for
XYZ(25.2023, 42.1300, 3.3255)
contains.

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Color

**XYZ(25.8218, 42.2814,
6.8002)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC300
RGB	109, 195, 0
RGB Percent	43%, 76%, 0%
CMY	0.5725, 0.2353, 0.9999
CMYK	0.44, 0.00, 1.00, 0.24
HSL	86°, 100%, 38%
HSV	86°, 100%, 76%
XYZ	25.8218, 42.2814, 6.8002
YIQ	147.0560, 11.3390, -78.8770

Conversions

Conversions Part 2

Format	Color
RYB	0, 195, 86
Decimal	7193344
CIELab	71.06, -51.45, 70.76
CIELCh	71, 87.486, 126.019
Yxy	42.2814, 0.3447, 0.5645
Android (android.graphics.Color)	4285383424 (0xFF6DC300)
YUV	147.0560, -72.4986, -33.3751
Hunter-Lab	65.0241, -42.9080, 39.3164

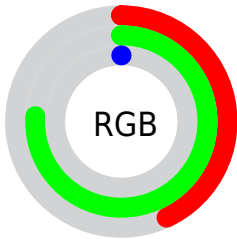
Details

The XYZ color **25.8218, 42.2814, 6.8002** 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 **13.6912, 5.9205, 52.0533**, and the grayscale version is **28.0458, 29.5064, 32.1324**.

A 20% lighter version of the original color is **52.4068, 78.5248, 19.9841**, and **10.5048, 19.3370, 3.1788** is the 20% darker color. If you saturate the color by 10%, you get **25.8214, 42.2826, 6.8004**, and if you desaturate by 10%, it is **27.0552, 42.9045, 7.4952**.

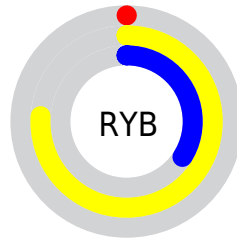
Distribution



Red (43%)

Green (76%)

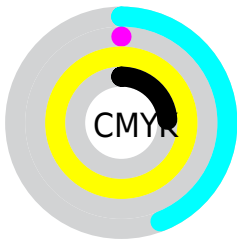
Blue (0%)



Red (0%)

Yellow (76%)

Blue (34%)

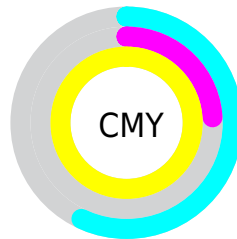


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (57%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8218, 42.2814, 6.8002 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 25.8218, 42.2814, 6.8002 by changing the saturation by 10% instead.

■ 25.8218, 42.2814,
6.8002

■ 25.8218, 42.2814,
6.8002

274.1790,
355.6481, 175.5605

■ 16.8224, 29.3217,
3.2609

■ 52.4207, 78.6253,
20.0761

■ 10.2024, 19.3243,
1.2294

■ 70.7508, 102.7784,
30.6498

■ 5.5967, 11.9049,
0.0028

■ 92.9219, 131.4313,
44.4054

■ 2.6397, 6.6789,
0.0000

■ 119.2993,
164.9685, 61.7614

■ 0.9662, 3.2621,
0.0000

■ 150.2484,
203.7744, 83.1364

■ 0.0000, 1.2701,
0.0000

■ 186.1344,

■ 0.0000, 0.1178,

248.2334, 108.9489

0.0000

227.3228,
298.7298, 139.6174

■ 0.0000, 0.0000,
0.0000

■ 25.8218, 42.2814,
6.8002

■ 25.8218, 42.2814,
6.8002

■ 25.8214, 42.2826,
6.8004

■ 27.0552, 42.9045,
7.4952

■ 28.5167, 43.6297,
8.8399

■ 30.2533, 44.4775,
11.0637

■ 32.2900, 45.4583,
14.2847

■ 34.6484, 46.5809,
18.6027

■ 37.3474, 47.8533,
24.1055

■ 40.4046, 49.2827,
30.8717

■ 43.8357, 50.8758,
38.9735

■ 47.6557, 52.6387,
48.4774

Harmonies

Analogous

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



37.3116, 42.2814, 3.4207



25.8218, 42.2814, 6.8002



19.5890, 42.2814, 20.4597

Triad

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



25.8218, 42.2814, 6.8002



29.8122, 42.2814, 165.6953



75.1187, 42.2814, 38.1023

Complementary

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



25.8218, 42.2814, 6.8002



13.6912, 5.9205, 52.0533

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.



71.7249, 42.2814, 87.1133



25.8218, 42.2814, 6.8002



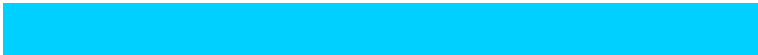
43.2069, 42.2814, 181.4454

Square

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



25.8218, 42.2814, 6.8002



21.4716, 42.2814, 111.4467



59.0841, 42.2814, 146.6529



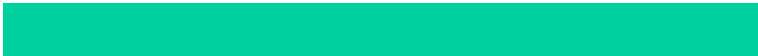
67.4754, 42.2814, 13.0725

Rectangle

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



25.8218, 42.2814, 6.8002



18.1644, 42.2814, 40.6720



59.0841, 42.2814, 146.6529



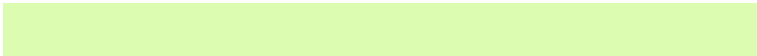
75.2510, 42.2814, 51.8547

Sweetspot

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



25.8228, 42.2832, 6.8011



72.0860, 88.1337, 54.6584



25.7172, 18.0235, 2.1241



15.2559, 19.0529, 10.7766



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.



25.8228, 42.2832, 6.8011



45.9529, 75.5750, 12.1655



19.6824, 39.1178, 6.5138



10.4708, 11.5302, 10.7355



16.8798, 27.5307, 4.4243



0.8075, 1.2298, 0.1948

Inverse Universe

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



13.6912, 5.9205, 52.0533



24.2421, 10.4593, 93.2109



29.1436, 13.8865, 52.7764



9.9405, 9.9605, 12.6835



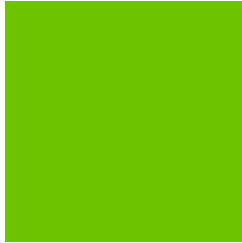
8.9905, 3.8952, 33.8346



0.4675, 0.2091, 1.4656

Previews

White Background



This preview shows how the XYZ color 25.8218, 42.2814, 6.8002 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 25.8218, 42.2814, 6.8002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

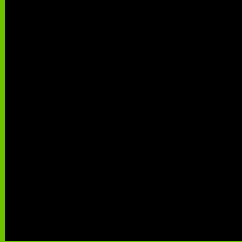
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8218, 42.2814, 6.8002

Background



This preview shows how black text looks on a background with the XYZ color 25.8218, 42.2814, 6.8002.



This preview shows how white text looks on a background with the XYZ color 25.8218, 42.2814,

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

25.8218, 42.2814, 6.8002

Protanopia

37.4492, 41.4892, 6.0344

Deuteranopia

42.5551, 41.6028, 7.7067



Tritanopia

36.0034, 41.9388, 58.4220

Trichromacy



Original Color

25.8218, 42.2814, 6.8002

Protanomaly

31.8337, 40.9403, 6.2244

Deuteranomaly

33.8655, 40.1951, 6.8932

Tritanomaly

29.5728, 40.8836, 25.7347

Monochromacy



Original Color

25.8218, 42.2814, 6.8002

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

24.9687, 32.3456, 15.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8218, 42.2814, 6.8002 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(109, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 195, 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(109, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.8218, 42.2814, 6.8002 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(109, 195, 0) }
```


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

```
.border{ border-color:rgb(109, 195, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8218, 42.2814, 6.8002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 195, 0) }
```

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

```
.background{ background-color: rgb(109,  
195, 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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