

Converting Colors

XYZ(25.6608, 46.8726, 16.9634)

Have a look what the booklet for
XYZ(25.6608, 46.8726, 16.9634)
contains.

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Color

**XYZ(25.6441, 46.8634,
16.9265)**

Conversions

Conversions Part 1

Format	Color
Hex	2DD158
RGB	45, 209, 88
RGB Percent	18%, 82%, 35%
CMY	0.8235, 0.1804, 0.6549
CMYK	0.78, 0.00, 0.58, 0.18
HSL	136°, 65%, 50%
HSV	136°, 78%, 82%
XYZ	25.6441, 46.8634, 16.9265
YIQ	146.1700, -58.9030, -72.3990

Conversions

Conversions Part 2

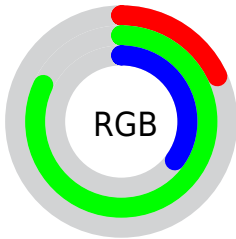
Format	Color
RYB	45, 175, 209
Decimal	3002712
CIELab	74.10, -65.28, 47.81
CIELCh	74, 80.919, 143.784
Yxy	46.8634, 0.2867, 0.5240
Android (android.graphics.Color)	4281192792 (0xFF2DD158)
YUV	146.1700, -28.6778, -88.7261
Hunter-Lab	68.4568, -52.9330, 33.2599

Details

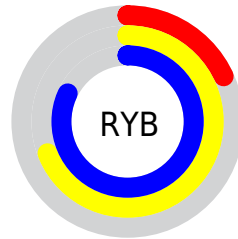
The XYZ color **25.6441, 46.8634, 16.9265** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **34.1171, 18.1860, 37.7893**, and the grayscale version is **27.5237, 28.9571, 31.5343**.

A 20% lighter version of the original color is **48.0389, 77.2946, 37.5867**, and **11.6946, 22.9038, 5.3946** is the 20% darker color. If you saturate the color by 10%, you get **24.3693, 46.2737, 13.8785**, and if you desaturate by 10%, it is **27.5111, 47.7454, 20.7096**.

Distribution



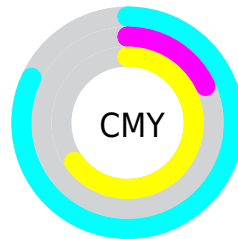
- Red (18%)
- Green (82%)
- Blue (35%)



- Red (18%)
- Yellow (69%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (58%)
- Black (18%)




- Cyan (82%)
- Magenta (18%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6441, 46.8634, 16.9265 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 25.6441, 46.8634, 16.9265 by changing the saturation by 10% instead.


 25.6441, 46.8634,
16.9265


 25.6441, 46.8634,
16.9265


273.3194,
374.2690, 246.7781


 16.6889, 32.9277,
10.0207


 52.1356, 85.5097,
38.9883

 10.1068, 22.0711,
5.3069


 70.4026, 110.9890,
54.9813

 5.5327, 13.9091,
2.3666


 92.5043, 141.0851,
74.8406

 2.6010, 8.0575,
0.7682

 118.8059,
176.1822, 98.9845

 0.9465, 4.1318,
0.0000

 149.6729,
216.6647, 127.8317

 0.0000, 1.7475,
0.0000

185.4706,

 0.0000, 0.4542,

262.9171, 161.8006

0.0000

226.5643,
315.3237, 201.3099

■ 0.0000, 0.0000,
0.0000

■ 25.6441, 46.8634,
16.9265

■ 25.6441, 46.8634,
16.9265

■ 24.3693, 46.2737,
13.8785

■ 27.5111, 47.7454,
20.7096

■ 23.5840, 45.9205,
11.5128

■ 30.0338, 48.9477,
25.2686

■ 23.4862, 45.8767,
11.2068

■ 33.2712, 50.5009,
30.6451

■ 37.2741, 52.4307,
36.8767

■ 42.0889, 54.7602,
43.9987

■ 47.7582, 57.5106,
52.0444

■ 54.3214, 60.7016,
61.0454

■ 61.8155, 64.3517,
71.0315

■ 70.2755, 68.4783,
82.0317

Harmonies

Analogous

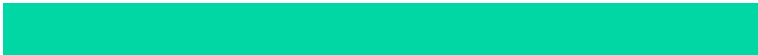
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2311, 46.8634, 7.3143



25.6441, 46.8634, 16.9265



22.2013, 46.8634, 42.8700

Triad

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



25.6441, 46.8634, 16.9265



41.5950, 46.8634, 178.4259



75.1857, 46.8634, 25.1517

Complementary

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



25.6441, 46.8634, 16.9265



34.1171, 18.1860, 37.7893

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.



78.3491, 46.8634, 60.1565



25.6441, 46.8634, 16.9265



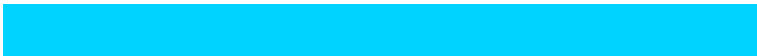
56.7403, 46.8634, 164.2958

Square

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



25.6441, 46.8634, 16.9265



30.0343, 46.8634, 146.1792



70.9922, 46.8634, 114.1238



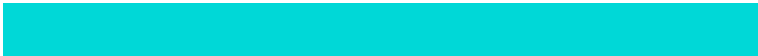
63.1003, 46.8634, 9.9431

Rectangle

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



25.6441, 46.8634, 16.9265



22.6049, 46.8634, 72.4793



70.9922, 46.8634, 114.1238



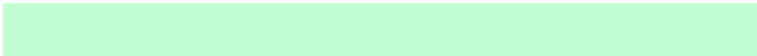
77.4230, 46.8634, 34.2887

Sweetspot

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



25.6452, 46.8653, 16.9276



69.5706, 87.6084, 74.1161



39.4242, 54.1174, 10.8506



14.2327, 18.4327, 14.9202



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.



25.6452, 46.8653, 16.9276



37.3425, 72.1763, 19.1993



30.9518, 48.9880, 44.8716



11.7817, 13.2564, 13.2071



14.5151, 28.2990, 7.0928



0.8447, 1.5955, 0.5710

Inverse Universe

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



34.1171, 18.1860, 37.7893



50.9461, 25.4226, 52.1782



28.9138, 16.1047, 10.3891



12.1729, 11.9539, 14.1864



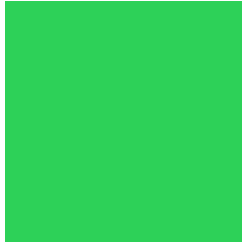
19.8613, 9.8174, 19.9737



1.1421, 0.5616, 1.2833

Previews

White Background



This preview shows how the XYZ color 25.6441, 46.8634, 16.9265 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 25.6441, 46.8634, 16.9265 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 25.6441, 46.8634, 16.9265

Background



This preview shows how black text looks on a background with the XYZ color 25.6441, 46.8634, 16.9265.

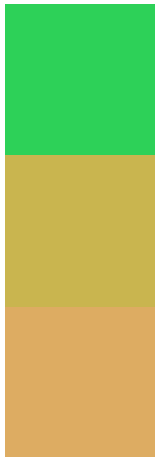


This preview shows how white text looks on a background with the XYZ color 25.6441, 46.8634,

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

25.6441, 46.8634, 16.9265

Protanopia

42.0226, 46.0298, 14.0669

Deuteranopia

46.7759, 45.7590, 17.9223



Tritanopia

36.0372, 46.5086, 69.3651

Trichromacy



Original Color

25.6441, 46.8634, 16.9265



Protanomaly

31.6554, 43.8001, 14.7685



Deuteranomaly

33.2740, 42.6742, 17.0729



Tritanomaly

30.7633, 46.0592, 43.8281

Monochromacy



Original Color

25.6441, 46.8634, 16.9265



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.1963, 33.1078, 24.5172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6441, 46.8634, 16.9265 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(45, 209, 88)` looks like.

```
.text, #text, p{  
    color:rgb(45, 209, 88)  
}
```

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(45, 209, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 209, 88) }
```

Border

The CSS property to change the border of an element to XYZ 25.6441, 46.8634, 16.9265 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(45, 209, 88) }
```


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

```
.border{ border-color:rgb(45, 209, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 209, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 209, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 209, 88);  
box-shadow:4px 4px 4px 4px rgb(45, 209,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6441, 46.8634, 16.9265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 209, 88) }
```

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

```
.background{ background-color: rgb(45, 209,  
88) }
```

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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