

Converting Colors

XYZ(23.8038, 46.7039, 20.3701)

Have a look what the booklet for
XYZ(23.8038, 46.7039, 20.3701)
contains.

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Color

**XYZ(25.6925, 47.5478,
20.3939)**

Conversions

Conversions Part 1

Format	Color
Hex	00D366
RGB	0, 211, 102
RGB Percent	0%, 83%, 40%
CMY	1.0000, 0.1725, 0.6000
CMYK	1.00, 0.00, 0.52, 0.17
HSL	149°, 100%, 41%
HSV	149°, 100%, 83%
XYZ	25.6925, 47.5478, 20.3939
YIQ	135.4850, -90.7670, -78.6310

Conversions

Conversions Part 2

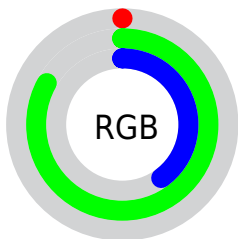
Format	Color
RYB	0, 142, 211
Decimal	54118
CIELab	74.54, -66.96, 41.67
CIELCh	75, 78.870, 148.106
Yxy	47.5478, 0.2744, 0.5078
Android (android.graphics.Color)	4278244198 (0xFF00D366)
YUV	135.4850, -16.5081, -118.8203
Hunter-Lab	68.9549, -54.1623, 30.7330

Details

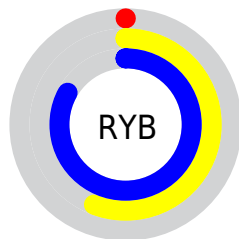
The XYZ color **25.6925, 47.5478, 20.3939** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **29.6258, 14.9539, 15.7953**, and the grayscale version is **23.2948, 24.5080, 26.6892**.

A 20% lighter version of the original color is **47.3853, 76.8296, 43.3425**, and **12.3189, 23.6817, 7.0537** is the 20% darker color. If you saturate the color by 10%, you get **25.6934, 47.5496, 20.3939**, and if you desaturate by 10%, it is **26.5819, 47.9410, 23.4469**.

Distribution



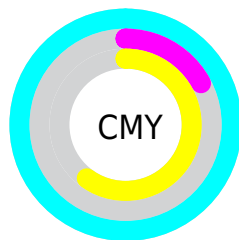
- Red (0%)
- Green (83%)
- Blue (40%)



- Red (0%)
- Yellow (56%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6925, 47.5478, 20.3939 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 25.6925, 47.5478, 20.3939 by changing the saturation by 10% instead.


 25.6925, 47.5478,
20.3939


 25.6925, 47.5478,
20.3939


273.5538,
376.9969, 266.7140


 16.7252, 33.4689,
12.4948


 52.2133, 86.5307,
44.9442


 10.1329, 22.4859,
6.9550


 70.4975, 112.2036,
62.4325

 5.5501, 14.2144,
3.3559


 92.6181, 142.5099,
83.9543

 2.6115, 8.2699,
1.2791

 118.9404,
177.8340, 109.9280

 0.9518, 4.2681,
0.0446

 149.8297,
218.5604, 140.7724

 0.0000, 1.8247,
0.0000

185.6515,

 0.0000, 0.5025,

265.0734, 176.9058

0.0000

226.7711,
317.7575, 218.7468

■ 0.0000, 0.0000,
0.0000

■ 25.6925, 47.5478,
20.3939

■ 25.6925, 47.5478,
20.3939

■ 25.6934, 47.5496,
20.3939

■ 26.5819, 47.9410,
23.4469

■ 27.8843, 48.5372,
26.9028

■ 29.7172, 49.3982,
30.7813

■ 32.1457, 50.5571,
35.0975

■ 35.2245, 52.0420,
39.8659

■ 39.0022, 53.8775,
45.1000

■ 43.5222, 56.0859,
50.8127

■ 48.8245, 58.6875,
57.0163

■ 54.9460, 61.7012,
63.7228

Harmonies

Analogous

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



33.4742, 47.5478, 8.8186



25.6925, 47.5478, 20.3939



22.9665, 47.5478, 49.2216

Triad

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



25.6925, 47.5478, 20.3939



44.2934, 47.5478, 176.4726



73.9265, 47.5478, 22.9037

Complementary

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



25.6925, 47.5478, 20.3939



29.6258, 14.9539, 15.7953

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.



78.4821, 47.5478, 54.4079



25.6925, 47.5478, 20.3939



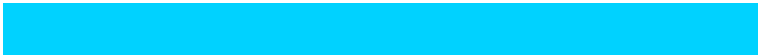
59.3694, 47.5478, 156.4212

Square

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



25.6925, 47.5478, 20.3939



32.2068, 47.5478, 151.0644



72.6766, 47.5478, 105.2843



61.2704, 47.5478, 9.6397

Rectangle

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



25.6925, 47.5478, 20.3939



23.8317, 47.5478, 80.1893



72.6766, 47.5478, 105.2843



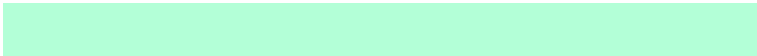
76.5593, 47.5478, 31.0125

Sweetspot

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



25.6937, 47.5497, 20.3950



66.5626, 85.9752, 77.7005



29.6046, 49.8429, 8.0606



13.5870, 18.0794, 15.8139



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

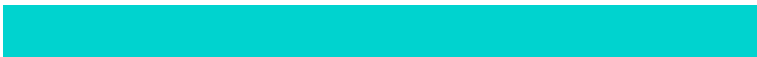
The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.6937, 47.5497, 20.3950



39.3519, 72.9568, 30.8346



34.6174, 51.1192, 67.3866



11.8910, 13.3001, 13.7822



15.5567, 28.7156, 12.5775



0.9099, 1.6216, 0.9140

Inverse Universe

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



29.6258, 14.9539, 15.7953



45.3866, 22.9186, 23.7658



26.8844, 13.8573, 1.3590



12.0601, 11.9088, 13.5921



17.9304, 9.0450, 9.8056



1.0426, 0.5217, 0.7590

Previews

White Background



This preview shows how the XYZ color 25.6925, 47.5478, 20.3939 looks on a white background.

Color Contrast Check

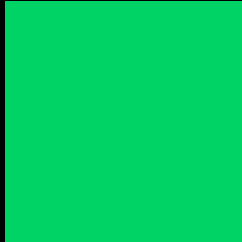
Large Text (above 18pt) WCAG AA × Fail

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 25.6925, 47.5478, 20.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

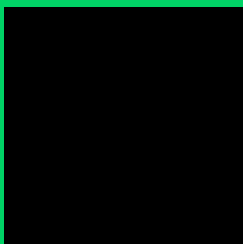
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

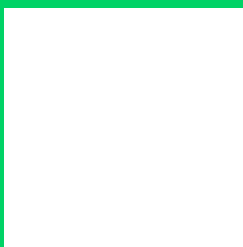
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6925, 47.5478, 20.3939

Background



This preview shows how black text looks on a background with the XYZ color 25.6925, 47.5478, 20.3939.



This preview shows how white text looks on a background with the XYZ color 25.6925, 47.5478,

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

25.6925, 47.5478, 20.3939

Protanopia

42.7471, 46.6461, 16.8758

Deuteranopia

47.5759, 46.6576, 21.8275



Tritanopia

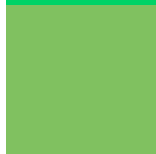
36.0825, 47.5025, 71.5571

Trichromacy



Original Color

25.6925, 47.5478, 20.3939



Protanomaly

30.0834, 43.5737, 17.8913



Deuteranomaly

31.2923, 42.1988, 20.6833



Tritanomaly

30.4121, 46.4979, 47.4165

Monochromacy



Original Color

25.6925, 47.5478, 20.3939



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.5101, 29.6029, 23.3718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6925, 47.5478, 20.3939 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(0, 211, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 102)  
}
```

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(0, 211, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 102) }
```

Border

The CSS property to change the border of an element to XYZ 25.6925, 47.5478, 20.3939 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(0, 211, 102) }
```


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

```
.border{ border-color:rgb(0, 211, 102) }
```

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

Here you see how a box with a 4 pixel rgb(0, 211, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6925, 47.5478, 20.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 102) }
```

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

```
.background{ background-color: rgb(0, 211,  
102) }
```

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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