

Converting Colors

XYZ(23.8902, 46.8411, 20.4513)

Have a look what the booklet for
XYZ(23.8902, 46.8411, 20.4513)
contains.

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Color

**XYZ(25.9418, 48.0463,
20.4770)**

Conversions

Conversions Part 1

Format	Color
Hex	00D466
RGB	0, 212, 102
RGB Percent	0%, 83%, 40%
CMY	0.9999, 0.1686, 0.6000
CMYK	1.00, 0.00, 0.52, 0.17
HSL	149°, 100%, 42%
HSV	149°, 100%, 83%
XYZ	25.9418, 48.0463, 20.4770
YIQ	136.0720, -91.0420, -79.1540

Conversions

Conversions Part 2

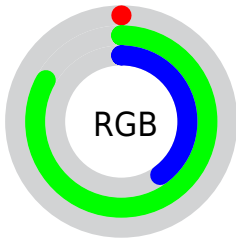
Format	Color
RYB	0, 143, 212
Decimal	54374
CIELab	74.85, -67.28, 42.06
CIELCh	75, 79.345, 147.989
Yxy	48.0463, 0.2746, 0.5086
Android (android.graphics.Color)	4278244454 (0xFF00D466)
YUV	136.0720, -16.7975, -119.3351
Hunter-Lab	69.3154, -54.4971, 31.0055

Details

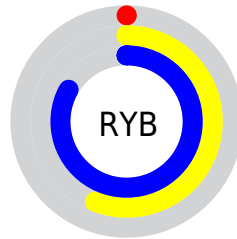
The XYZ color **25.9418, 48.0463, 20.4770** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **29.9678, 15.1240, 16.0954**, and the grayscale version is **23.5163, 24.7410, 26.9429**.

A 20% lighter version of the original color is **47.3853, 76.8296, 43.3425**, and **12.4860, 24.0160, 7.1094** is the 20% darker color. If you saturate the color by 10%, you get **25.9425, 48.0480, 20.4763**, and if you desaturate by 10%, it is **26.8391, 48.4429, 23.5598**.

Distribution



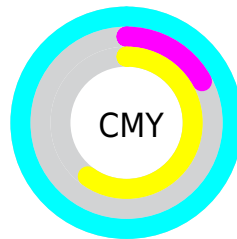
- Red (0%)
- Green (83%)
- Blue (40%)



- 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 25.9418, 48.0463, 20.4770 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 25.9418, 48.0463, 20.4770 by changing the saturation by 10% instead.


 25.9418, 48.0463,
20.4770


 25.9418, 48.0463,
20.4770


274.7582,
378.9756, 267.1750


 16.9126, 33.8636,
12.5547


 52.6130, 87.2733,
45.0849


 10.2671, 22.7888,
6.9956


 70.9857, 113.0864,
62.6076


 5.6400, 14.4376,
3.3809


 93.2036, 143.5451,
84.1676

 2.6660, 8.4257,
1.2923

 119.6320,
179.0337, 110.1834

 0.9797, 4.3685,
0.0554

 150.6363,
219.9366, 141.0734

 0.0000, 1.8818,
0.0000

186.5819,

 0.0000, 0.5374,

266.6384, 177.2564

0.0000

227.8340,
319.5232, 219.1507

■ 0.0000, 0.0000,
0.0000

■ 25.9418, 48.0463,
20.4770

■ 25.9418, 48.0463,
20.4770

■ 25.9425, 48.0480,
20.4763

■ 26.8391, 48.4429,
23.5598

■ 28.1546, 49.0452,
27.0531

■ 30.0073, 49.9153,
30.9767

■ 32.4627, 51.0869,
35.3464

■ 35.5764, 52.5884,
40.1768

■ 39.3975, 54.4448,
45.4819

■ 43.9699, 56.6785,
51.2748

■ 49.3343, 59.3102,
57.5681

■ 55.5278, 62.3588,
64.3741

Harmonies

Analogous

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



33.8392, 48.0463, 8.8336



25.9418, 48.0463, 20.4770



23.1641, 48.0463, 49.5742

Triad

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



25.9418, 48.0463, 20.4770



44.6995, 48.0463, 178.7634



74.8242, 48.0463, 23.1725

Complementary

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



25.9418, 48.0463, 20.4770



29.9678, 15.1240, 16.0954

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.



79.4031, 48.0463, 55.1535



25.9418, 48.0463, 20.4770



59.9712, 48.0463, 158.5905

Square

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



25.9418, 48.0463, 20.4770



32.4766, 48.0463, 152.8193



73.4787, 48.0463, 106.7799



62.0170, 48.0463, 9.7134

Rectangle

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



25.9418, 48.0463, 20.4770



24.0267, 48.0463, 80.9063



73.4787, 48.0463, 106.7799



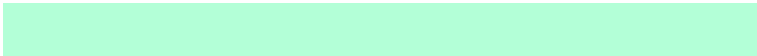
77.4814, 48.0463, 31.4035

Sweetspot

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



25.9430, 48.0482, 20.4781



66.5400, 85.9662, 77.5816



30.3641, 50.6045, 8.1677



13.5817, 18.0772, 15.7858



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.



25.9430, 48.0482, 20.4781



39.3153, 72.9421, 30.6419



34.5564, 51.4936, 65.8359



12.5088, 13.9945, 14.4937



16.0651, 29.6814, 12.9044



1.0107, 1.8069, 0.9980

Inverse Universe

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



29.9678, 15.1240, 16.0954



45.4266, 22.9347, 23.9765



27.1914, 14.0134, 1.4750



12.6896, 12.5274, 14.3059



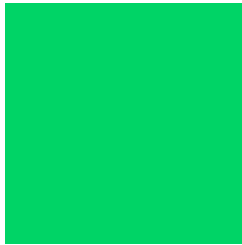
18.5506, 9.3565, 10.2032



1.1606, 0.5810, 0.8353

Previews

White Background



This preview shows how the XYZ color 25.9418, 48.0463, 20.4770 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 25.9418, 48.0463, 20.4770 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 25.9418, 48.0463, 20.4770

Background



This preview shows how black text looks on a background with the XYZ color 25.9418, 48.0463, 20.4770.



This preview shows how white text looks on a background with the XYZ color 25.9418, 48.0463,

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

25.9418, 48.0463, 20.4770

Protanopia

43.2224, 47.1962, 16.9569

Deuteranopia

47.8795, 46.8141, 21.8417



Tritanopia

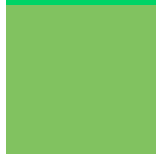
36.5286, 48.0603, 72.3170

Trichromacy



Original Color

25.9418, 48.0463, 20.4770



Protanomaly

30.4564, 44.0952, 17.9723



Deuteranomaly

31.6745, 42.7119, 20.7622



Tritanomaly

30.7469, 47.0109, 48.0109

Monochromacy



Original Color

25.9418, 48.0463, 20.4770



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.8440, 30.0324, 23.7670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9418, 48.0463, 20.4770 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, 212, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 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, 212, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 102) }
```

Border

The CSS property to change the border of an element to XYZ 25.9418, 48.0463, 20.4770 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, 212, 102) }
```


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

```
.border{ border-color:rgb(0, 212, 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, 212, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9418, 48.0463, 20.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 102) }
```

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

```
.background{ background-color: rgb(0, 212,  
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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