

Converting Colors

XYZ(25.8823, 47.8723, 20.6270)

Have a look what the booklet for
XYZ(25.8823, 47.8723, 20.6270)
contains.

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Color

**XYZ(25.9917, 48.0662,
20.7398)**

Conversions

Conversions Part 1

Format	Color
Hex	00D467
RGB	0, 212, 103
RGB Percent	0%, 83%, 40%
CMY	0.9999, 0.1686, 0.5961
CMYK	1.00, 0.00, 0.51, 0.17
HSL	149°, 100%, 42%
HSV	149°, 100%, 83%
XYZ	25.9917, 48.0662, 20.7398
YIQ	136.1860, -91.3630, -78.8430

Conversions

Conversions Part 2

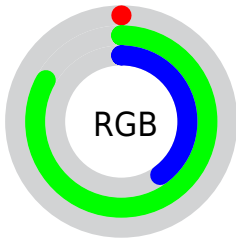
Format	Color
RYB	0, 143, 212
Decimal	54375
CIELab	74.87, -67.13, 41.59
CIELCh	75, 78.967, 148.217
Yxy	48.0662, 0.2742, 0.5070
Android (android.graphics.Color)	4278244455 (0xFF00D467)
YUV	136.1860, -16.3607, -119.4351
Hunter-Lab	69.3298, -54.4076, 30.7944

Details

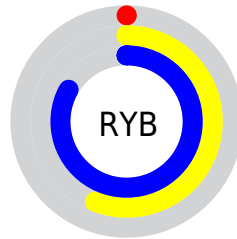
The XYZ color **25.9917, 48.0662, 20.7398** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **29.9137, 15.1024, 15.8110**, and the grayscale version is **23.5579, 24.7847, 26.9906**.

A 20% lighter version of the original color is **47.4697, 76.8634, 43.7867**, and **12.5083, 24.0249, 7.2268** is the 20% darker color. If you saturate the color by 10%, you get **25.9923, 48.0679, 20.7388**, and if you desaturate by 10%, it is **26.8900, 48.4632, 23.8280**.

Distribution



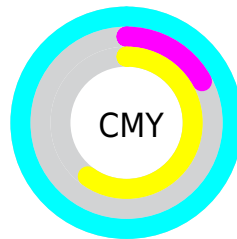
- Red (0%)
- Green (83%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (17%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.9917, 48.0662, 20.7398 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 25.9917, 48.0662, 20.7398 by changing the saturation by 10% instead.


 25.9917, 48.0662,
20.7398


 25.9917, 48.0662,
20.7398


274.9988,
379.0545, 268.6279


 16.9501, 33.8793,
12.7445


 52.6930, 87.3030,
45.5292


 10.2940, 22.8009,
7.1242


 71.0833, 113.1216,
63.1605


 5.6581, 14.4466,
3.4603


 93.3206, 143.5863,
84.8409

 2.6770, 8.4319,
1.3342

 119.7702,
179.0815, 110.9889

 0.9853, 4.3725,
0.0896

 150.7975,
219.9915, 142.0230

 0.0000, 1.8841,
0.0000

186.7677,

 0.0000, 0.5388,

266.7007, 178.3619

0.0000

228.0464,
319.5936, 220.4240

■ 0.0000, 0.0000,
0.0000

■ 25.9917, 48.0662,
20.7398

■ 25.9917, 48.0662,
20.7398

■ 25.9923, 48.0679,
20.7388

■ 26.8900, 48.4632,
23.8280

■ 28.2055, 49.0655,
27.3207

■ 30.0569, 49.9351,
31.2373

■ 32.5097, 51.1057,
35.5931

■ 35.6195, 52.6056,
40.4024

■ 39.4352, 54.4599,
45.6788

■ 44.0009, 56.6909,
51.4352

■ 49.3568, 59.3192,
57.6839

■ 55.5403, 62.3639,
64.4368

Harmonies

Analogous

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



33.8261, 48.0662, 8.9883



25.9917, 48.0662, 20.7398



23.2578, 48.0662, 49.9120

Triad

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



25.9917, 48.0662, 20.7398



44.8311, 48.0662, 177.9809



74.6169, 48.0662, 23.1269

Complementary

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



25.9917, 48.0662, 20.7398



29.9137, 15.1024, 15.8110

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.



79.2452, 48.0662, 54.8370



25.9917, 48.0662, 20.7398



60.0359, 48.0662, 157.6286

Square

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



25.9917, 48.0662, 20.7398



32.6219, 48.0662, 152.5489



73.4308, 48.0662, 106.0643



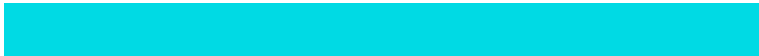
61.8403, 48.0662, 9.7707

Rectangle

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



25.9917, 48.0662, 20.7398



24.1433, 48.0662, 81.1795



73.4308, 48.0662, 106.0643



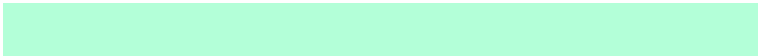
77.2815, 48.0662, 31.2892

Sweetspot

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



25.9929, 48.0681, 20.7409



66.5864, 85.9848, 77.8262



29.9181, 50.3745, 8.1469



13.5927, 18.0816, 15.8435



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

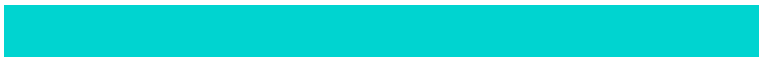
The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.9929, 48.0681, 20.7409



39.3907, 72.9723, 31.0391



34.9877, 51.6661, 68.1069



12.5113, 13.9955, 14.5068



16.0960, 29.6937, 13.0671



1.0126, 1.8077, 1.0079

Inverse Universe

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



29.9137, 15.1024, 15.8110



45.3446, 22.9019, 23.5447



27.1720, 14.0057, 1.3732



12.6871, 12.5264, 14.2927



18.5171, 9.3432, 10.0270



1.1586, 0.5802, 0.8247

Previews

White Background



This preview shows how the XYZ color 25.9917, 48.0662, 20.7398 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 25.9917, 48.0662, 20.7398 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

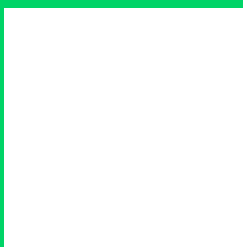
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.9917, 48.0662, 20.7398

Background



This preview shows how black text looks on a background with the XYZ color 25.9917, 48.0662, 20.7398.



This preview shows how white text looks on a background with the XYZ color 25.9917, 48.0662,

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

25.9917, 48.0662, 20.7398

Protanopia

43.2664, 47.2138, 17.1887

Deuteranopia

47.9355, 46.8365, 22.1367



Tritanopia

36.5286, 48.0603, 72.3170

Trichromacy



Original Color

25.9917, 48.0662, 20.7398



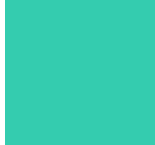
Protanomaly

30.5027, 44.1138, 18.2164



Deuteranomaly

31.7280, 42.7333, 21.0441



Tritanomaly

30.7469, 47.0109, 48.0109

Monochromacy



Original Color

25.9917, 48.0662, 20.7398



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 25.9917, 48.0662, 20.7398 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 103) }
```

Border

The CSS property to change the border of an element to XYZ 25.9917, 48.0662, 20.7398 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, 103) }
```


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

```
.border{ border-color:rgb(0, 212, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9917, 48.0662, 20.7398 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, 103) }
```

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

```
.background{ background-color: rgb(0, 212,  
103) }
```

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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