

Converting Colors

XYZ(18.5727, 44.5634, 25.4904)

Have a look what the booklet for
XYZ(18.5727, 44.5634, 25.4904)
contains.

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Color

**XYZ(27.1844, 48.9446,
25.7838)**

Conversions

Conversions Part 1

Format	Color
Hex	00D578
RGB	0, 213, 120
RGB Percent	0%, 84%, 47%
CMY	1.0000, 0.1647, 0.5294
CMYK	1.00, 0.00, 0.44, 0.16
HSL	154°, 100%, 42%
HSV	154°, 100%, 84%
XYZ	27.1844, 48.9446, 25.7838
YIQ	138.7110, -97.0950, -74.0790

Conversions

Conversions Part 2

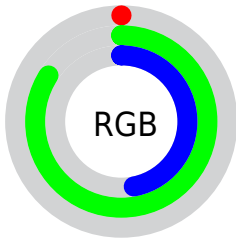
Format	Color
RYB	0, 136, 213
Decimal	54648
CIELab	75.42, -64.61, 33.88
CIELCh	75, 72.952, 152.327
Yxy	48.9446, 0.2667, 0.4803
Android (android.graphics.Color)	4278244728 (0xFF00D578)
YUV	138.7110, -9.2245, -121.6495
Hunter-Lab	69.9604, -53.0713, 27.1211

Details

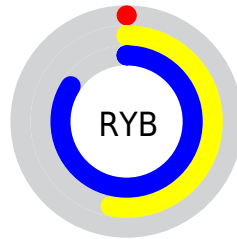
The XYZ color **27.1844, 48.9446, 25.7838** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **29.4181, 14.9374, 11.6914**, and the grayscale version is **24.4925, 25.7680, 28.0613**.

A 20% lighter version of the original color is **49.0117, 77.4802, 51.9071**, and **13.1625, 24.5561, 9.8404** is the 20% darker color. If you saturate the color by 10%, you get **27.1852, 48.9464, 25.7834**, and if you desaturate by 10%, it is **28.0937, 49.3463, 28.9188**.

Distribution



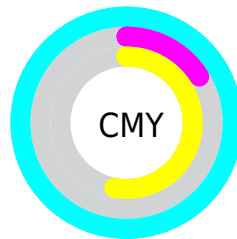
- Red (0%)
- Green (84%)
- Blue (47%)



- Red (0%)
- Yellow (53%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1844, 48.9446, 25.7838 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 27.1844, 48.9446, 25.7838 by changing the saturation by 10% instead.

■ 27.1844, 48.9446,
25.7838

■ 27.1844, 48.9446,
25.7838

280.7001,
382.5242, 295.2908

■ 17.8491, 34.5755,
16.4377

■ 54.5974, 88.6092,
53.9058

■ 10.9407, 23.3361,
9.6767

■ 73.4058, 114.6735,
73.5186

■ 6.0940, 14.8419,
5.0823

■ 96.1026, 145.4049,
97.3909

■ 2.9435, 8.7085,
2.2361

■ 123.0532,
181.1880, 125.9409

■ 1.1240, 4.5515,
0.6951

■ 154.6229,
222.4071, 159.5874

■ 0.0450, 1.9866,
0.0000

191.1770,

■ 0.0000, 0.5997,

269.4466, 198.7489

0.0000

233.0810,
322.6908, 243.8438

■ 0.0000, 0.0000,
0.0000

■ 27.1844, 48.9446,
25.7838

■ 27.1844, 48.9446,
25.7838

■ 27.1852, 48.9464,
25.7834

■ 28.0937, 49.3463,
28.9188

■ 29.4065, 49.9481,
32.3656

■ 31.2415, 50.8125,
36.1385

■ 33.6641, 51.9729,
40.2476

■ 36.7296, 53.4578,
44.7025

■ 40.4864, 55.2920,
49.5123

■ 44.9785, 57.4979,
54.6856

■ 50.2457, 60.0960,
60.2305

■ 56.3251, 63.1052,
66.1550

Harmonies

Analogous

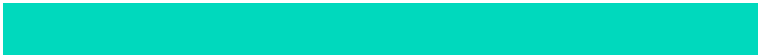
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.0260, 48.9446, 12.0304



27.1844, 48.9446, 25.7838



25.1847, 48.9446, 56.3543

Triad

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



27.1844, 48.9446, 25.7838



47.5776, 48.9446, 166.6956



71.9478, 48.9446, 22.7072

Complementary

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



27.1844, 48.9446, 25.7838



29.4181, 14.9374, 11.6914

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.



77.4077, 48.9446, 50.3434



27.1844, 48.9446, 25.7838



61.7507, 48.9446, 143.4664

Square

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



27.1844, 48.9446, 25.7838



35.5228, 48.9446, 149.3608



73.3602, 48.9446, 95.5755



59.5815, 48.9446, 10.9503

Rectangle

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



27.1844, 48.9446, 25.7838



26.4788, 48.9446, 86.6374



73.3602, 48.9446, 95.5755



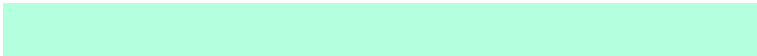
74.7486, 48.9446, 29.8336

Sweetspot

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



27.1856, 48.9466, 25.7849



67.3659, 86.2966, 81.9308



28.6041, 50.0695, 8.1571



13.7771, 18.1554, 16.8149



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.



27.1856, 48.9466, 25.7849



40.7679, 73.5231, 38.2910



33.2146, 47.2118, 70.3155



12.5525, 14.0120, 14.7238



16.6575, 29.9183, 16.0237



1.0459, 1.8210, 1.1837

Inverse Universe

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



29.4181, 14.9374, 11.6914



44.1282, 22.4153, 17.1389



27.5575, 14.3783, 1.3232



12.6462, 12.5100, 14.0771



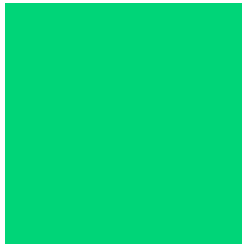
18.0183, 9.1436, 7.4003



1.1279, 0.5680, 0.6631

Previews

White Background



This preview shows how the XYZ color 27.1844, 48.9446, 25.7838 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 27.1844, 48.9446, 25.7838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

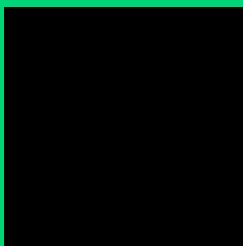
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

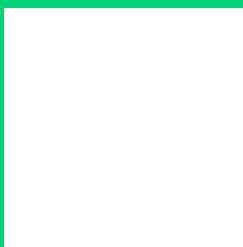
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1844, 48.9446, 25.7838

Background



This preview shows how black text looks on a background with the XYZ color 27.1844, 48.9446, 25.7838.

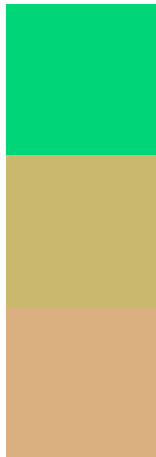


This preview shows how white text looks on a background with the XYZ color 27.1844, 48.9446,

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

27.1844, 48.9446, 25.7838

Protanopia

44.2579, 47.9417, 21.3890

Deuteranopia

48.7012, 47.6957, 27.4082



Tritanopia

36.9999, 48.9653, 73.8308

Trichromacy



Original Color

27.1844, 48.9446, 25.7838



Protanomaly

31.5490, 44.8896, 22.6245



Deuteranomaly

32.6110, 43.3905, 26.3951



Tritanomaly

31.8302, 48.1981, 51.8815

Monochromacy



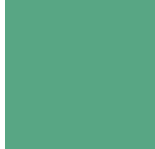
Original Color

27.1844, 48.9446, 25.7838



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.8256, 31.0131, 26.6656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1844, 48.9446, 25.7838 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, 213, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 120)  
}
```

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, 213, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 120) }
```

Border

The CSS property to change the border of an element to XYZ 27.1844, 48.9446, 25.7838 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, 213, 120) }
```


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

```
.border{ border-color:rgb(0, 213, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1844, 48.9446, 25.7838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 120) }
```

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

```
.background{ background-color: rgb(0, 213,  
120) }
```

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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