

Converting Colors

XYZ(27.5177, 48.7411, 27.0425)

Have a look what the booklet for
XYZ(27.5177, 48.7411, 27.0425)
contains.

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Color

**XYZ(27.4908, 48.7016,
27.0202)**

Conversions

Conversions Part 1

Format	Color
Hex	15D47C
RGB	21, 212, 124
RGB Percent	8%, 83%, 49%
CMY	0.9176, 0.1686, 0.5137
CMYK	0.90, 0.00, 0.42, 0.17
HSL	152°, 82%, 46%
HSV	152°, 90%, 83%
XYZ	27.4908, 48.7016, 27.0202
YIQ	144.8590, -85.5880, -67.8600

Conversions

Conversions Part 2

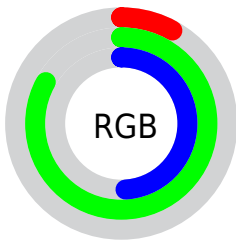
Format	Color
RYB	21, 145, 212
Decimal	1430652
CIELab	75.27, -62.72, 31.67
CIELCh	75, 70.264, 153.208
Yxy	48.7016, 0.2664, 0.4719
Android (android.graphics.Color)	4279620732 (0xFF15D47C)
YUV	144.8590, -10.2835, -108.6243
Hunter-Lab	69.7865, -51.8105, 25.8945

Details

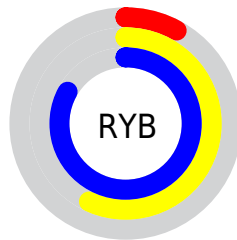
The XYZ color **27.4908, 48.7016, 27.0202** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.1815, 15.6385, 15.8984**, and the grayscale version is **26.9233, 28.3255, 30.8464**.

A 20% lighter version of the original color is **49.8802, 77.8825, 53.9988**, and **13.1245, 24.2713, 10.4717** is the 20% darker color. If you saturate the color by 10%, you get **26.6001, 48.3110, 23.9391**, and if you desaturate by 10%, it is **28.7948, 49.3002, 30.4687**.

Distribution



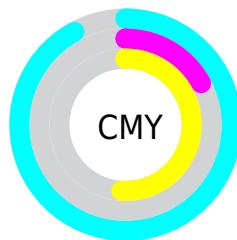
- Red (8%)
- Green (83%)
- Blue (49%)



- Red (8%)
- Yellow (57%)
- Blue (83%)



- Cyan (90%)
- Magenta (0%)
- Yellow (42%)
- Black (17%)



- Cyan (92%)
- Magenta (17%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4908, 48.7016, 27.0202 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 27.4908, 48.7016, 27.0202 by changing the saturation by 10% instead.

■ 27.4908, 48.7016,
27.0202

■ 27.4908, 48.7016,
27.0202

282.1501,
381.5664, 301.5182

■ 18.0807, 34.3828,
17.3558

■ 55.0848, 88.2481,
55.9204

■ 11.1080, 23.1879,
10.3239

■ 73.9994, 114.2446,
75.9933

■ 6.2073, 14.7323,
5.5058

■ 96.8128, 144.9025,
100.3728

■ 3.0134, 8.6317,
2.4831

■ 123.8904,
180.6062, 129.4775

■ 1.1609, 4.5017,
0.8312

■ 155.5976,
221.7400, 163.7258

■ 0.0751, 1.9580,
0.0000

192.2997,

■ 0.0000, 0.5829,

268.6884, 203.5363

0.0000

234.3621,
321.8357, 249.3276

■ 0.0000, 0.0000,
0.0000

■ 27.4908, 48.7016,
27.0202

■ 27.4908, 48.7016,
27.0202

■ 26.6001, 48.3110,
23.9391

■ 28.7948, 49.3002,
30.4687

■ 30.6193, 50.1585,
34.2688

■ 33.0304, 51.3118,
38.4332

■ 36.0832, 52.7883,
42.9728

■ 39.8258, 54.6126,
47.8976

■ 44.3019, 56.8070,
53.2175

■ 49.5512, 59.3918,
58.9417

■ 55.6106, 62.3859,
65.0790

■ 62.5143, 65.8069,
71.6383

Harmonies

Analogous

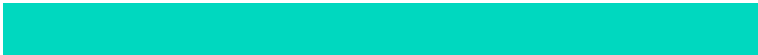
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.9904, 48.7016, 13.0326



27.4908, 48.7016, 27.0202



25.6783, 48.7016, 57.1030

Triad

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



27.4908, 48.7016, 27.0202



47.6913, 48.7016, 160.2736



70.2986, 48.7016, 22.8615

Complementary

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



27.4908, 48.7016, 27.0202



30.1815, 15.6385, 15.8984

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.



75.7335, 48.7016, 49.1512



27.4908, 48.7016, 27.0202



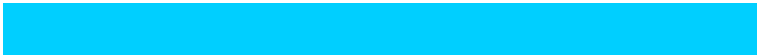
61.2462, 48.7016, 137.4348

Square

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



27.4908, 48.7016, 27.0202



35.9849, 48.7016, 145.0723



72.1484, 48.7016, 91.9253



58.3942, 48.7016, 11.5343

Rectangle

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



27.4908, 48.7016, 27.0202



27.0301, 48.7016, 86.2358



72.1484, 48.7016, 91.9253



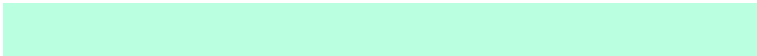
73.0334, 48.7016, 29.6714

Sweetspot

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



27.4920, 48.7036, 27.0213



69.4029, 87.3206, 83.2049



30.1276, 50.4669, 8.8630



14.3009, 18.4178, 17.1851



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.



27.4920, 48.7036, 27.0213



40.3120, 73.3408, 35.8902



34.1776, 48.8812, 69.9234



12.5396, 14.0069, 14.6561



16.4721, 29.8442, 15.0476



1.0351, 1.8167, 1.1266

Inverse Universe

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



30.1815, 15.6385, 15.8984



44.4799, 22.5559, 18.9908



27.6884, 14.8529, 2.1174



12.6589, 12.5151, 14.1439



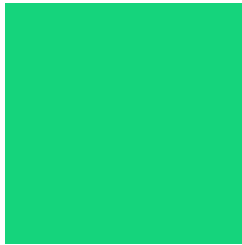
18.1630, 9.2015, 8.1624



1.1370, 0.5716, 0.7110

Previews

White Background



This preview shows how the XYZ color 27.4908, 48.7016, 27.0202 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 27.4908, 48.7016, 27.0202 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

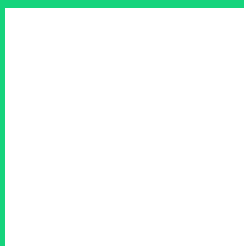
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4908, 48.7016, 27.0202

Background



This preview shows how black text looks on a background with the XYZ color 27.4908, 48.7016, 27.0202.



This preview shows how white text looks on a background with the XYZ color 27.4908, 48.7016,

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

27.4908, 48.7016, 27.0202

Protanopia

44.2085, 47.8907, 22.5366

Deuteranopia

48.6036, 47.6220, 28.4601



Tritanopia

36.7193, 48.4885, 73.0695

Trichromacy



Original Color

27.4908, 48.7016, 27.0202



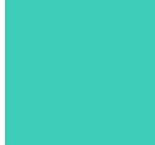
Protanomaly

32.6560, 45.1022, 23.8141



Deuteranomaly

34.0141, 44.0912, 27.4866



Tritanomaly

32.1822, 48.0113, 52.3707

Monochromacy



Original Color

27.4908, 48.7016, 27.0202



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.9589, 32.8914, 28.7528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4908, 48.7016, 27.0202 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(21, 212, 124)` looks like.

```
.text, #text, p{  
    color:rgb(21, 212, 124)  
}
```

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(21, 212, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 212, 124) }
```

Border

The CSS property to change the border of an element to XYZ 27.4908, 48.7016, 27.0202 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(21, 212, 124) }
```


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

```
.border{ border-color:rgb(21, 212, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 212, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 212, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 212, 124);  
box-shadow:4px 4px 4px 4px rgb(21, 212,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4908, 48.7016, 27.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 212, 124) }
```

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

```
.background{ background-color: rgb(21, 212,  
124) }
```

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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