

Converting Colors

XYZ(27.5153, 51.5597, 18.9106)

Have a look what the booklet for
XYZ(27.5153, 51.5597, 18.9106)
contains.

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Color

**XYZ(27.5043, 51.5549,
18.8574)**

Conversions

Conversions Part 1

Format	Color
Hex	0FDB5D
RGB	15, 219, 93
RGB Percent	6%, 86%, 36%
CMY	0.9412, 0.1412, 0.6353
CMYK	0.93, 0.00, 0.58, 0.14
HSL	143°, 87%, 46%
HSV	143°, 93%, 86%
XYZ	27.5043, 51.5549, 18.8574
YIQ	143.6400, -81.1380, -82.4340

Conversions

Conversions Part 2

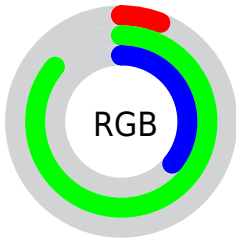
Format	Color
RYB	15, 163, 219
Decimal	1039197
CIELab	77.01, -70.20, 48.89
CIELCh	77, 85.549, 145.148
Yxy	51.5549, 0.2809, 0.5265
Android (android.graphics.Color)	4279229277 (0xFF0FDB5D)
YUV	143.6400, -24.9655, -112.8173
Hunter-Lab	71.8017, -57.2770, 34.6898

Details

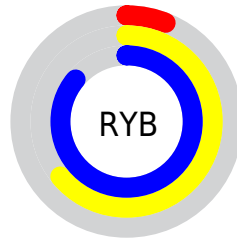
The XYZ color **27.5043, 51.5549, 18.8574** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **34.1937, 17.3258, 26.7438**, and the grayscale version is **26.4866, 27.8659, 30.3460**.

A 20% lighter version of the original color is **47.2550, 76.8465, 39.5364**, and **13.3033, 25.9939, 6.3236** is the 20% darker color. If you saturate the color by 10%, you get **26.9224, 51.3010, 16.8163**, and if you desaturate by 10%, it is **28.7213, 52.1083, 22.3249**.

Distribution



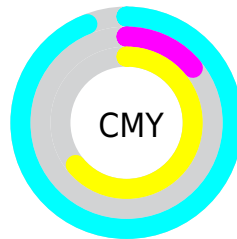
- Red (6%)
- Green (86%)
- Blue (36%)



- Red (6%)
- Yellow (64%)
- Blue (86%)



- Cyan (93%)
- Magenta (0%)
- Yellow (58%)
- Black (14%)



- Cyan (94%)
- Magenta (14%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5043, 51.5549, 18.8574 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 27.5043, 51.5549, 18.8574 by changing the saturation by 10% instead.

■ 27.5043, 51.5549,
18.8574

■ 27.5043, 51.5549,
18.8574

282.2139,
392.7159, 258.0568

■ 18.0909, 36.6504,
11.3915

■ 55.1062, 92.4745,
42.3265

■ 11.1153, 24.9369,
6.2133

■ 74.0255, 119.2584,
59.1668

■ 6.2123, 16.0301,
2.9044

■ 96.8440, 150.7708,
79.9689

■ 3.0165, 9.5454,
1.0460

■ 123.9272,
187.3963, 105.1515

■ 1.1625, 5.0986,
0.0000

■ 155.6405,
229.5191, 135.1330

■ 0.0764, 2.3052,
0.0000

192.3491,

■ 0.0000, 0.7765,

277.5237, 170.3321

0.0000

234.4184,
331.7945, 211.1672

■ 0.0000, 0.0000,
0.0000

■ 27.5043, 51.5549,
18.8574

■ 27.5043, 51.5549,
18.8574

■ 26.9224, 51.3010,
16.8163

■ 28.7213, 52.1083,
22.3249

■ 30.5184, 52.9464,
26.3988

■ 32.9750, 54.1111,
31.1091

■ 36.1563, 55.6355,
36.4826

■ 40.1195, 57.5485,
42.5446

■ 44.9154, 59.8759,
49.3187

■ 50.5907, 62.6414,
56.8275

■ 57.1884, 65.8665,
65.0927

■ 64.7486, 69.5716,
74.1348

Harmonies

Analogous

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



36.8434, 51.5549, 7.7623



27.5043, 51.5549, 18.8574



23.9204, 51.5549, 48.8744

Triad

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



27.5043, 51.5549, 18.8574



46.3961, 51.5549, 201.6575



83.2334, 51.5549, 25.9584

Complementary

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



27.5043, 51.5549, 18.8574



34.1937, 17.3258, 26.7438

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.



87.3731, 51.5549, 64.0802



27.5043, 51.5549, 18.8574



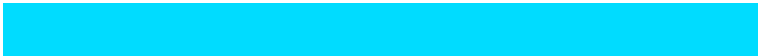
63.5769, 51.5549, 183.0426

Square

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



27.5043, 51.5549, 18.8574



33.1731, 51.5549, 166.8387



79.5135, 51.5549, 124.7105



69.2011, 51.5549, 9.9764

Rectangle

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



27.5043, 51.5549, 18.8574



24.5316, 51.5549, 83.0349



79.5135, 51.5549, 124.7105



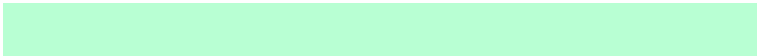
85.9435, 51.5549, 35.7792

Sweetspot

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



27.5056, 51.5570, 18.8586



67.1767, 86.3591, 74.6903



36.9562, 56.6473, 9.4384



13.6592, 18.1342, 15.0216



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.



27.5056, 51.5570, 18.8586



37.9410, 72.3924, 23.4048



35.0223, 54.5637, 58.4414



13.0915, 14.6882, 14.9448



16.0126, 30.4377, 10.2316



1.0786, 1.9884, 0.8801

Inverse Universe

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



34.1937, 17.3258, 26.7438



47.3688, 23.7115, 34.2037



29.8071, 15.5711, 3.6444



13.3924, 13.1861, 15.3276



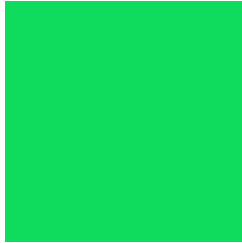
19.9814, 9.9936, 14.8137



1.3360, 0.6641, 1.1785

Previews

White Background



This preview shows how the XYZ color 27.5043, 51.5549, 18.8574 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 27.5043, 51.5549, 18.8574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

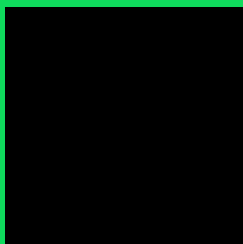
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.5043, 51.5549, 18.8574

Background



This preview shows how black text looks on a background with the XYZ color 27.5043, 51.5549, 18.8574.



This preview shows how white text looks on a background with the XYZ color 27.5043, 51.5549,

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

27.5043, 51.5549, 18.8574

Protanopia

46.0923, 50.5906, 15.7231

Deuteranopia

51.4531, 50.4650, 20.1255



Tritanopia

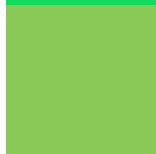
39.1866, 51.4428, 76.9713

Trichromacy



Original Color

27.5043, 51.5549, 18.8574



Protanomaly

32.8558, 47.3999, 16.4342



Deuteranomaly

34.5409, 46.1791, 19.1495



Tritanomaly

32.9566, 50.6758, 48.6019

Monochromacy



Original Color

27.5043, 51.5549, 18.8574



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.1943, 33.1479, 24.5777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5043, 51.5549, 18.8574 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(15, 219, 93)` looks like.

```
.text, #text, p{  
    color:rgb(15, 219, 93)  
}
```

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(15, 219, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 219, 93) }
```

Border

The CSS property to change the border of an element to XYZ 27.5043, 51.5549, 18.8574 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(15, 219, 93) }
```


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

```
.border{ border-color:rgb(15, 219, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 219, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 219, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 219, 93);  
box-shadow:4px 4px 4px 4px rgb(15, 219,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5043, 51.5549, 18.8574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 219, 93) }
```

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

```
.background{ background-color: rgb(15, 219,  
93) }
```

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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