

Converting Colors

XYZ(27.7236, 50.3694, 16.4070)

Have a look what the booklet for
XYZ(27.7236, 50.3694, 16.4070)
contains.

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Color

**XYZ(27.6067, 50.1250,
16.4037)**

Conversions

Conversions Part 1

Format	Color
Hex	3AD753
RGB	58, 215, 83
RGB Percent	23%, 84%, 33%
CMY	0.7725, 0.1568, 0.6745
CMYK	0.73, 0.00, 0.61, 0.16
HSL	130°, 66%, 54%
HSV	130°, 73%, 84%
XYZ	27.6067, 50.1250, 16.4037
YIQ	153.0090, -51.2000, -74.3360

Conversions

Conversions Part 2

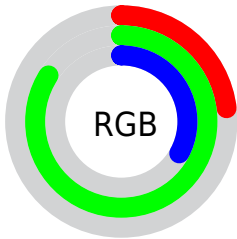
Format	Color
RYB	58, 193, 215
Decimal	3856211
CIELab	76.15, -66.05, 52.45
CIELCh	76, 84.346, 141.547
Yxy	50.1250, 0.2933, 0.5325
Android (android.graphics.Color)	4282046291 (0xFF3AD753)
YUV	153.0090, -34.5144, -83.3229
Hunter-Lab	70.7990, -54.2957, 35.8222

Details

The XYZ color **27.6067, 50.1250, 16.4037** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **38.8329, 21.1916, 50.7592**, and the grayscale version is **30.4448, 32.0303, 34.8810**.

A 20% lighter version of the original color is **49.0278, 77.8382, 36.1072**, and **12.5960, 24.8754, 5.1745** is the 20% darker color. If you saturate the color by 10%, you get **25.9986, 49.3679, 13.1487**, and if you desaturate by 10%, it is **29.9207, 51.2279, 20.6436**.

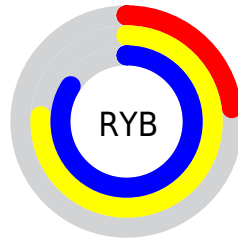
Distribution



Red (23%)

Green (84%)

Blue (33%)



Red (23%)

Yellow (76%)

Blue (84%)

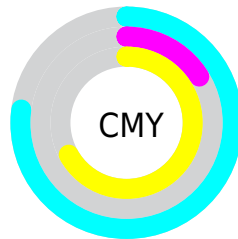


Cyan (73%)

Magenta (0%)

Yellow (61%)

Black (16%)



Cyan (77%)

Magenta (16%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6067, 50.1250, 16.4037 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 27.6067, 50.1250, 16.4037 by changing the saturation by 10% instead.

■ 27.6067, 50.1250,
16.4037

■ 27.6067, 50.1250,
16.4037

282.6971,
387.1546, 243.6387

■ 18.1683, 35.5127,
9.6528

■ 55.2690, 90.3601,
38.0741

■ 11.1713, 24.0581,
5.0668

■ 74.2235, 116.7516,
53.8308

■ 6.2503, 15.3767,
2.2271

■ 97.0809, 147.8384,
73.4264

■ 3.0400, 9.0842,
0.6899

■ 124.2064,
184.0048, 97.2796

■ 1.1749, 4.7961,
0.0000

■ 155.9655,
225.6353, 125.8089

■ 0.0865, 2.1282,
0.0000

192.7233,

■ 0.0000, 0.6804,

273.1141, 159.4328

0.0000

234.8454,
326.8257, 198.5699

■ 0.0000, 0.0000,
0.0000

■ 27.6067, 50.1250,
16.4037

■ 27.6067, 50.1250,
16.4037

■ 25.9986, 49.3679,
13.1487

■ 29.9207, 51.2279,
20.6436

■ 25.0086, 48.9085,
10.7958


■ 33.0077, 52.7054,
25.9356


■ 24.5937, 48.7198,
9.6392


■ 36.9309, 54.5901,
32.3452


■ 41.7459, 56.9094,
39.9312

■ 47.5035, 59.6884,
48.7486

 54.2507, 62.9501,
58.8487

 62.0311, 66.7161,
70.2800

 70.8860, 71.0066,
83.0885

 80.8543, 75.8408,
97.3180

Harmonies

Analogous

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



37.3417, 50.1250, 7.0791



27.6067, 50.1250, 16.4037



23.4846, 50.1250, 42.7712

Triad

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



27.6067, 50.1250, 16.4037



43.3186, 50.1250, 193.6159



81.8167, 50.1250, 28.4726

Complementary

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



27.6067, 50.1250, 16.4037



38.8329, 21.1916, 50.7592

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.



84.4127, 50.1250, 68.3783



27.6067, 50.1250, 16.4037



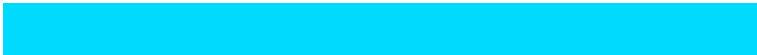
59.6817, 50.1250, 181.9254

Square

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



27.6067, 50.1250, 16.4037



31.1502, 50.1250, 154.8765



75.5839, 50.1250, 128.4455



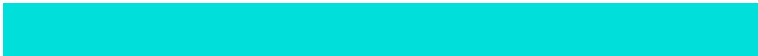
69.1198, 50.1250, 10.8839

Rectangle

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



27.6067, 50.1250, 16.4037



23.6627, 50.1250, 73.8929



75.5839, 50.1250, 128.4455



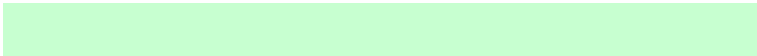
83.9967, 50.1250, 38.9607

Sweetspot

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



27.6079, 50.1271, 16.4048



70.6514, 88.1943, 72.8670



46.6653, 60.0437, 13.1331



14.5885, 18.6194, 14.7877



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.



27.6079, 50.1271, 16.4048



37.3064, 72.2025, 17.1766



32.3962, 52.0424, 41.6197



12.3423, 13.9279, 13.6168



14.7348, 29.1493, 5.8994



0.9145, 1.7684, 0.4914

Inverse Universe

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



38.8329, 21.1916, 50.7592



54.5405, 27.3476, 69.6039



32.5165, 18.6650, 17.4975



12.8641, 12.5971, 15.2246



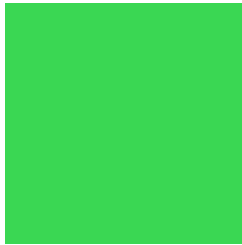
21.7686, 10.6438, 27.1493



1.3363, 0.6513, 1.7603

Previews

White Background



This preview shows how the XYZ color 27.6067, 50.1250, 16.4037 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 27.6067, 50.1250, 16.4037 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 27.6067, 50.1250, 16.4037

Background



This preview shows how black text looks on a background with the XYZ color 27.6067, 50.1250, 16.4037.

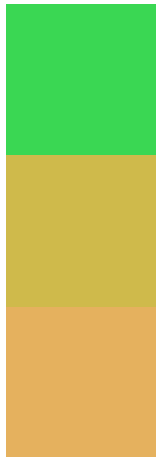


This preview shows how white text looks on a background with the XYZ color 27.6067, 50.1250,

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

27.6067, 50.1250, 16.4037

Protanopia

44.5610, 48.8912, 13.7449

Deuteranopia

50.0556, 48.9104, 17.3921



Tritanopia

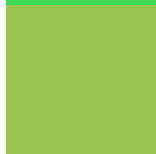
38.9084, 49.6019, 73.8531

Trichromacy



Original Color

27.6067, 50.1250, 16.4037



Protanomaly

34.4783, 47.2549, 14.5116



Deuteranomaly

36.4126, 46.2153, 16.6742



Tritanomaly

32.9791, 48.9385, 45.2440

Monochromacy



Original Color

27.6067, 50.1250, 16.4037



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.8928, 36.4607, 26.0423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6067, 50.1250, 16.4037 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(58, 215, 83)` looks like.

```
.text, #text, p{  
    color:rgb(58, 215, 83)  
}
```

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(58, 215, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 215, 83) }
```

Border

The CSS property to change the border of an element to XYZ 27.6067, 50.1250, 16.4037 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(58, 215, 83) }
```


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

```
.border{ border-color:rgb(58, 215, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 215, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 215, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 215, 83);  
box-shadow:4px 4px 4px 4px rgb(58, 215,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6067, 50.1250, 16.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 215, 83) }
```

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

```
.background{ background-color: rgb(58, 215,  
83) }
```

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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