

Converting Colors

XYZ(27.8989, 51.0645, 15.2682)

Have a look what the booklet for
XYZ(27.8989, 51.0645, 15.2682)
contains.

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Color

**XYZ(27.8623, 51.0471,
15.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	3AD94C
RGB	58, 217, 76
RGB Percent	23%, 85%, 30%
CMY	0.7725, 0.1490, 0.7019
CMYK	0.73, 0.00, 0.65, 0.15
HSL	127°, 68%, 54%
HSV	127°, 73%, 85%
XYZ	27.8623, 51.0471, 15.2221
YIQ	153.3850, -49.5030, -77.5590

Conversions

Conversions Part 2

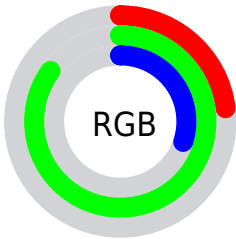
Format	Color
RYB	58, 201, 217
Decimal	3856716
CIELab	76.71, -67.46, 56.04
CIELCh	77, 87.696, 140.281
Yxy	51.0471, 0.2960, 0.5423
Android (android.graphics.Color)	4282046796 (0xFF3AD94C)
YUV	153.3850, -38.1508, -83.6526
Hunter-Lab	71.4473, -55.4230, 37.3811

Details

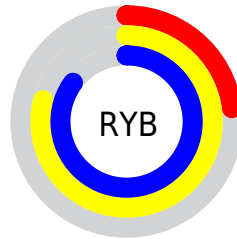
The XYZ color **27.8623, 51.0471, 15.2221** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **40.4384, 21.9020, 56.1290**, and the grayscale version is **30.6241, 32.2189, 35.0864**.

A 20% lighter version of the original color is **48.6914, 77.7209, 33.5544**, and **12.8175, 25.5188, 4.6308** is the 20% darker color. If you saturate the color by 10%, you get **26.2846, 50.3013, 12.1635**, and if you desaturate by 10%, it is **30.1738, 52.1510, 19.3615**.

Distribution



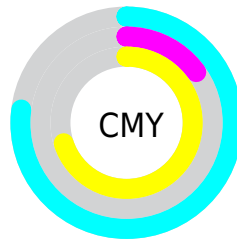
- Red (23%)
- Green (85%)
- Blue (30%)



- Red (23%)
- Yellow (79%)
- Blue (85%)



- Cyan (73%)
- Magenta (0%)
- Yellow (65%)
- Black (15%)



- Cyan (77%)
- Magenta (15%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8623, 51.0471, 15.2221 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 27.8623, 51.0471, 15.2221 by changing the saturation by 10% instead.

■ 27.8623, 51.0471,
15.2221

■ 27.8623, 51.0471,
15.2221

283.9004,
390.7468, 236.3935

■ 18.3618, 36.2461,
8.8271

■ 55.6747, 91.7244,
35.9901

■ 11.3113, 24.6243,
4.5333

■ 74.7173, 118.3695,
51.2002

■ 6.3455, 15.7974,
1.9222

■ 97.6714, 149.7313,
70.1857

■ 3.0989, 9.3809,
0.5068

■ 124.9022,
186.1944, 93.3652

■ 1.2063, 4.9904,
0.0000

■ 156.7752,
228.1431, 121.1572

■ 0.1113, 2.2417,
0.0000

193.6556,

■ 0.0000, 0.7426,

275.9618, 153.9802

0.0000

235.9089,
330.0349, 192.2528

■ 0.0000, 0.0000,
0.0000

■ 27.8623, 51.0471,
15.2221

■ 27.8623, 51.0471,
15.2221

■ 26.2846, 50.3013,
12.1635

■ 30.1738, 52.1510,
19.3615

■ 25.3466, 49.8629,
10.0818


■ 33.2911, 53.6438,
24.6662


■ 24.9848, 49.6961,
9.1711


■ 37.2814, 55.5601,
31.2165


■ 42.2041, 57.9287,
39.0843

■ 48.1130, 60.7763,
48.3362

 55.0581, 64.1270,
59.0344

 63.0860, 68.0037,
71.2369

 72.2401, 72.4278,
84.9991

 82.5619, 77.4193,
100.3732

Harmonies

Analogous

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



38.2671, 51.0471, 6.3554



27.8623, 51.0471, 15.2221



23.3530, 51.0471, 41.5242

Triad

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



27.8623, 51.0471, 15.2221



43.3236, 51.0471, 203.3048



85.0732, 51.0471, 29.5190

Complementary

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



27.8623, 51.0471, 15.2221



40.4384, 21.9020, 56.1290

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.



87.3055, 51.0471, 72.4998



27.8623, 51.0471, 15.2221



60.4550, 51.0471, 193.1316

Square

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



27.8623, 51.0471, 15.2221



30.8349, 51.0471, 159.8245



77.4705, 51.0471, 136.9330



71.9278, 51.0471, 10.7320

Rectangle

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



27.8623, 51.0471, 15.2221



23.3865, 51.0471, 73.5608



77.4705, 51.0471, 136.9330



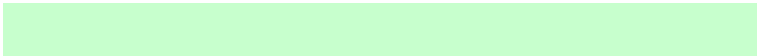
87.2250, 51.0471, 40.8002

Sweetspot

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



27.8635, 51.0492, 15.2233



70.3366, 88.0684, 71.2091



49.6929, 62.3652, 13.4217



14.5157, 18.5903, 14.4042



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.



27.8635, 51.0492, 15.2233



37.0271, 72.0907, 15.7059



32.3419, 52.8406, 38.8063



12.9462, 14.6301, 14.1795



15.1434, 30.0900, 5.6547



1.0016, 1.9576, 0.4743

Inverse Universe

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



40.4384, 21.9020, 56.1290



55.9452, 27.9094, 77.0006



33.6178, 19.1738, 20.2124



13.5476, 13.2481, 16.1447



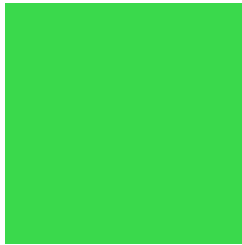
23.1354, 11.2552, 31.4228



1.5173, 0.7365, 2.1329

Previews

White Background



This preview shows how the XYZ color 27.8623, 51.0471, 15.2221 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 27.8623, 51.0471, 15.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

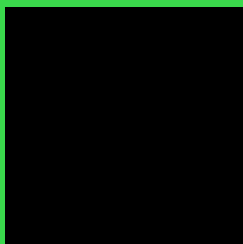
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

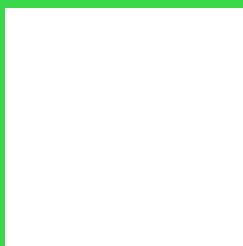
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8623, 51.0471, 15.2221

Background



This preview shows how black text looks on a background with the XYZ color 27.8623, 51.0471, 15.2221.

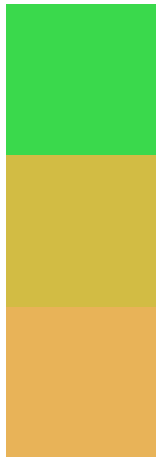


This preview shows how white text looks on a background with the XYZ color 27.8623, 51.0471,

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

27.8623, 51.0471, 15.2221

Protanopia

45.6049, 50.0854, 12.7327

Deuteranopia

51.1603, 50.1006, 16.2065



Tritanopia

39.6216, 50.6511, 74.7062

Trichromacy



Original Color

27.8623, 51.0471, 15.2221



Protanomaly

35.0783, 48.2703, 13.4295



Deuteranomaly

37.0324, 47.2150, 15.5491



Tritanomaly

33.3687, 49.8802, 44.4283

Monochromacy



Original Color

27.8623, 51.0471, 15.2221



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.6982, 36.3829, 25.0175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8623, 51.0471, 15.2221 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, 217, 76)` looks like.

```
.text, #text, p{  
    color:rgb(58, 217, 76)  
}
```

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, 217, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 217, 76) }
```

Border

The CSS property to change the border of an element to XYZ 27.8623, 51.0471, 15.2221 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, 217, 76) }
```


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

```
.border{ border-color:rgb(58, 217, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 217, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 217, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 217, 76);  
box-shadow:4px 4px 4px 4px rgb(58, 217,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8623, 51.0471, 15.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 217, 76) }
```

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

```
.background{ background-color: rgb(58, 217,  
76) }
```

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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