

Converting Colors

XYZ(27.8388, 50.9754, 13.5727)

Have a look what the booklet for
XYZ(27.8388, 50.9754, 13.5727)
contains.

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Color

**XYZ(27.9106, 51.1090,
13.5483)**

Conversions

Conversions Part 1

Format	Color
Hex	40D942
RGB	64, 217, 66
RGB Percent	25%, 85%, 26%
CMY	0.7490, 0.1490, 0.7412
CMYK	0.71, 0.00, 0.70, 0.15
HSL	121°, 67%, 55%
HSV	121°, 71%, 85%
XYZ	27.9106, 51.1090, 13.5483
YIQ	154.0390, -42.7170, -79.3970

Conversions

Conversions Part 2

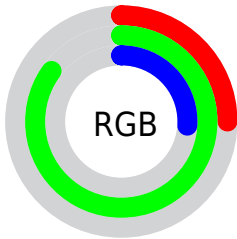
Format	Color
RYB	64, 215, 217
Decimal	4249922
CIELab	76.74, -67.42, 60.06
CIELCh	77, 90.294, 138.307
Yxy	51.1090, 0.3015, 0.5521
Android (android.graphics.Color)	4282440002 (0xFF40D942)
YUV	154.0390, -43.4032, -78.9642
Hunter-Lab	71.4906, -55.4204, 38.8072

Details

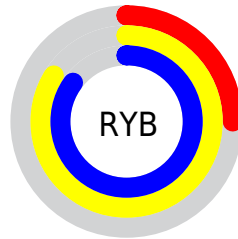
The XYZ color **27.9106, 51.1090, 13.5483** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **42.7156, 23.3255, 66.5406**, and the grayscale version is **30.9316, 32.5425, 35.4387**.

A 20% lighter version of the original color is **48.7269, 77.8060, 30.5390**, and **12.7449, 25.4897, 4.2483** is the 20% darker color. If you saturate the color by 10%, you get **26.2468, 50.3126, 10.7693**, and if you desaturate by 10%, it is **30.3618, 52.2870, 17.5996**.

Distribution



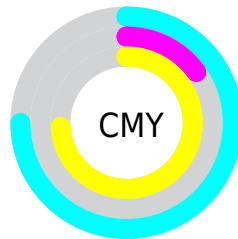
- Red (25%)
- Green (85%)
- Blue (26%)



- Red (25%)
- Yellow (84%)
- Blue (85%)



- Cyan (71%)
- Magenta (0%)
- Yellow (70%)
- Black (15%)





- Cyan (75%)
- Magenta (15%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9106, 51.1090, 13.5483 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 27.9106, 51.1090, 13.5483 by changing the saturation by 10% instead.


 27.9106, 51.1090,
13.5483


 27.9106, 51.1090,
13.5483


284.1273,
390.9871, 225.7322


 18.3984, 36.2954,
7.6720


 55.7513, 91.8159,
32.9909


 11.3378, 24.6624,
3.8011


 74.8105, 118.4779,
47.3943


 6.3635, 15.8257,
1.5169


 97.7828, 149.8582,
65.4771

 3.1101, 9.4009,
0.2304

 125.0335,
186.3411, 87.6580

 1.2122, 5.0036,
0.0000

 156.9279,
228.3111, 114.3554

 0.1160, 2.2494,
0.0000

193.8315,

 0.0000, 0.7467,

276.1525, 145.9879

0.0000

236.1095,
330.2497, 182.9740

■ 0.0000, 0.0000,
0.0000

■ 27.9106, 51.1090,
13.5483

■ 27.9106, 51.1090,
13.5483

■ 26.2468, 50.3126,
10.7693

■ 30.3618, 52.2870,
17.5996

■ 25.2711, 49.8453,
9.1089


■ 33.6773, 53.8791,
23.0470


■ 24.8294, 49.6339,
8.3533


■ 37.9290, 55.9214,
30.0034


■ 43.1803, 58.4443,
38.5693

■ 49.4889, 61.4759,
48.8366

 56.9084, 65.0416,
60.8901

 65.4885, 69.1656,
74.8091

 75.2760, 73.8704,
90.6682

 84.1038, 78.1077,
105.2513

Harmonies

Analogous

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



38.9542, 51.1090, 5.5559



27.9106, 51.1090, 13.5483



22.9480, 51.1090, 38.6471

Triad

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



27.9106, 51.1090, 13.5483



42.2074, 51.1090, 208.4171



87.0081, 51.1090, 30.9790

Complementary

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



27.9106, 51.1090, 13.5483



42.7156, 23.3255, 66.5406

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.



88.4660, 51.1090, 77.0234



27.9106, 51.1090, 13.5483



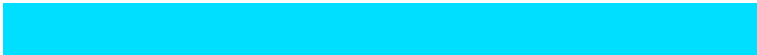
59.6681, 51.1090, 201.7008

Square

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



27.9106, 51.1090, 13.5483



29.8082, 51.1090, 159.8967



77.5358, 51.1090, 144.8493



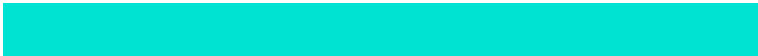
73.9252, 51.1090, 10.7652

Rectangle

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



27.9106, 51.1090, 13.5483



22.7438, 51.1090, 70.4112



77.5358, 51.1090, 144.8493



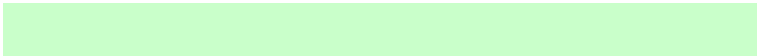
88.9705, 51.1090, 43.1094

Sweetspot

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



27.9118, 51.1111, 13.5494



70.6472, 88.2714, 69.2858



54.3557, 64.7502, 14.4839



14.5519, 18.6200, 13.9037



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.



27.9118, 51.1111, 13.5494



36.9704, 72.0976, 14.0737



31.6991, 52.6260, 33.4928



12.8934, 14.6090, 13.9017



15.0328, 30.0458, 5.0723



0.9764, 1.9475, 0.3417

Inverse Universe

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



42.7156, 23.3255, 66.5406



59.5373, 29.7007, 94.8239



35.2207, 20.3276, 27.0730



13.6067, 13.2718, 16.4559



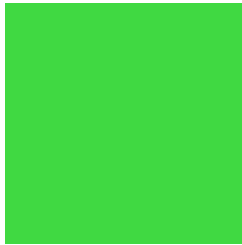
24.6851, 11.8751, 39.5834



1.6016, 0.7703, 2.5772

Previews

White Background



This preview shows how the XYZ color 27.9106, 51.1090, 13.5483 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 27.9106, 51.1090, 13.5483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

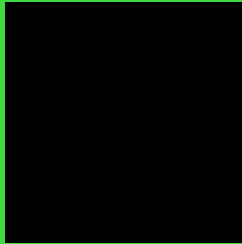
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

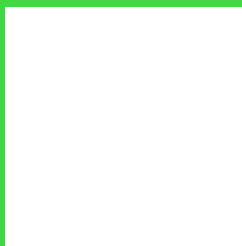
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9106, 51.1090, 13.5483

Background



This preview shows how black text looks on a background with the XYZ color 27.9106, 51.1090, 13.5483.

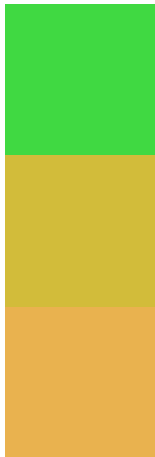


This preview shows how white text looks on a background with the XYZ color 27.9106, 51.1090,

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

27.9106, 51.1090, 13.5483

Protanopia

45.3253, 49.9736, 11.2600

Deuteranopia

50.9360, 49.7289, 14.3112



Tritanopia

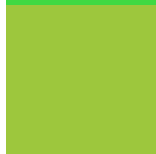
40.0860, 50.8905, 74.7279

Trichromacy



Original Color

27.9106, 51.1090, 13.5483



Protanomaly

35.1704, 48.3519, 11.8941



Deuteranomaly

37.0989, 46.9643, 13.5883



Tritanomaly

33.4811, 49.9802, 42.5328

Monochromacy



Original Color

27.9106, 51.1090, 13.5483



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.1201, 36.9144, 24.1082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9106, 51.1090, 13.5483 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(64, 217, 66)` looks like.

```
.text, #text, p{  
    color:rgb(64, 217, 66)  
}
```

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(64, 217, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 217, 66) }
```

Border

The CSS property to change the border of an element to XYZ 27.9106, 51.1090, 13.5483 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(64, 217, 66) }
```


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

```
.border{ border-color:rgb(64, 217, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 217, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 217, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 217, 66);  
box-shadow:4px 4px 4px 4px rgb(64, 217,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9106, 51.1090, 13.5483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 217, 66) }
```

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

```
.background{ background-color: rgb(64, 217,  
66) }
```

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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