

Converting Colors

XYZ(29.3002, 50.2823, 17.0805)

Have a look what the booklet for
XYZ(29.3002, 50.2823, 17.0805)
contains.

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Color

**XYZ(29.2609, 50.2079,
17.1657)**

Conversions

Conversions Part 1

Format	Color
Hex	55D557
RGB	85, 213, 87
RGB Percent	33%, 84%, 34%
CMY	0.6667, 0.1647, 0.6588
CMYK	0.60, 0.00, 0.59, 0.16
HSL	121°, 60%, 58%
HSV	121°, 60%, 84%
XYZ	29.2609, 50.2079, 17.1657
YIQ	160.3640, -35.8420, -66.3220

Conversions

Conversions Part 2

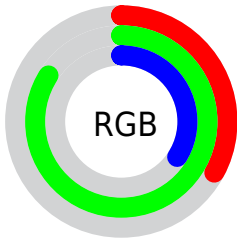
Format	Color
RYB	85, 211, 213
Decimal	5625175
CIELab	76.20, -59.79, 50.92
CIELCh	76, 78.530, 139.581
Yxy	50.2079, 0.3028, 0.5196
Android (android.graphics.Color)	4283815255 (0xFF55D557)
YUV	160.3640, -36.1685, -66.0942
Hunter-Lab	70.8575, -50.2884, 35.2369

Details

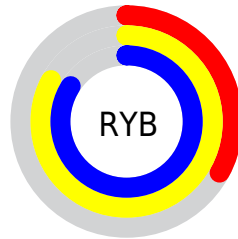
The XYZ color **29.2609, 50.2079, 17.1657** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **42.4484, 25.3472, 64.2843**, and the grayscale version is **33.7566, 35.5146, 38.6754**.

A 20% lighter version of the original color is **52.3477, 79.5244, 37.4017**, and **12.3177, 24.2182, 5.3919** is the 20% darker color. If you saturate the color by 10%, you get **26.8746, 49.0642, 13.2138**, and if you desaturate by 10%, it is **32.4802, 51.7552, 22.4571**.

Distribution



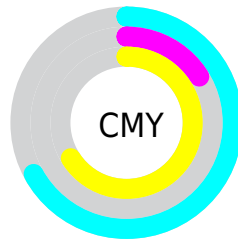
- Red (33%)
- Green (84%)
- Blue (34%)



- Red (33%)
- Yellow (83%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (16%)



- Cyan (67%)
- Magenta (16%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2609, 50.2079, 17.1657 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 29.2609, 50.2079, 17.1657 by changing the saturation by 10% instead.

■ 29.2609, 50.2079,
17.1657

■ 29.2609, 50.2079,
17.1657

290.4160,
387.4784, 248.2017

■ 19.4236, 35.5786,
10.1895

■ 57.8860, 90.4828,
39.4050

■ 12.0825, 24.1089,
5.4175

■ 77.4045, 116.8973,
55.5052

■ 6.8725, 15.4144,
2.4313

■ 100.8808,
148.0089, 75.4838

■ 3.4281, 9.1108,
0.8034

■ 128.6802,
184.2021, 99.7593

■ 1.3840, 4.8135,
0.0000

161.1681,
225.8612, 128.7503

■ 0.2448, 2.1383,
0.0000

198.7097,

■ 0.0000, 0.6860,

273.3707, 162.8753

0.0000

241.6706,
327.1150, 202.5529

■ 0.0000, 0.0000,
0.0000

■ 29.2609, 50.2079,
17.1657

■ 29.2609, 50.2079,
17.1657

■ 26.8746, 49.0642,
13.2138

■ 32.4802, 51.7552,
22.4571

■ 25.2415, 48.2812,
10.4785

■ 36.5959, 53.7322,
29.1898

■ 24.2726, 47.8174,
8.8201

■ 41.6693, 56.1698,
37.4598

■ 23.8135, 47.5978,
8.0279

■ 47.7552, 59.0946,
47.3538

■ 54.9046, 62.5309,
58.9519

■ 63.1646, 66.5015,
72.3293

■ 72.5799, 71.0280,
87.5562

■ 83.0436, 76.0538,
104.6925

■ 83.0852, 76.0705,
104.9117

Harmonies

Analogous

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



38.8541, 50.2079, 8.3501



29.2609, 50.2079, 17.1657



24.9545, 50.2079, 41.2853

Triad

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



29.2609, 50.2079, 17.1657



42.7855, 50.2079, 179.3407



79.6459, 50.2079, 31.7623

Complementary

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



29.2609, 50.2079, 17.1657



42.4484, 25.3472, 64.2843

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.



81.3028, 50.2079, 70.6687



29.2609, 50.2079, 17.1657



57.8439, 50.2079, 172.0470

Square

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



29.2609, 50.2079, 17.1657



31.6281, 50.2079, 142.4590



72.6618, 50.2079, 125.8234



68.5144, 50.2079, 13.2758

Rectangle

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



29.2609, 50.2079, 17.1657



24.9079, 50.2079, 69.2919



72.6618, 50.2079, 125.8234



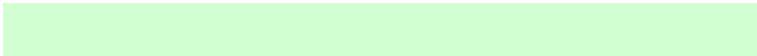
81.4054, 50.2079, 42.2614

Sweetspot

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



29.2621, 50.2100, 17.1668



73.6930, 89.7340, 74.2903



52.8767, 62.3931, 17.8508



15.1439, 18.9042, 14.8791



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.



29.2621, 50.2100, 17.1668



39.6332, 73.3729, 18.6002



32.9667, 51.6918, 36.6749



12.2702, 13.8991, 13.2375



14.5492, 29.0750, 4.9220



0.8804, 1.7548, 0.3118

Inverse Universe

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



42.4484, 25.3472, 64.2843



61.1098, 32.8539, 95.3225



36.1153, 22.8139, 30.9349



12.9443, 12.6292, 15.6467



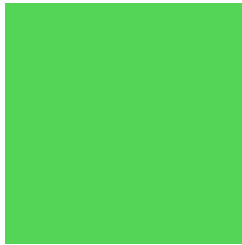
23.8464, 11.4749, 38.0906



1.4410, 0.6932, 2.3119

Previews

White Background



This preview shows how the XYZ color 29.2609, 50.2079, 17.1657 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 29.2609, 50.2079, 17.1657 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

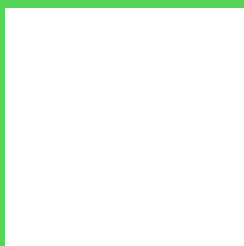
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2609, 50.2079, 17.1657

Background



This preview shows how black text looks on a background with the XYZ color 29.2609, 50.2079, 17.1657.



This preview shows how white text looks on a background with the XYZ color 29.2609, 50.2079,

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

29.2609, 50.2079, 17.1657

Protanopia

44.9137, 49.3706, 14.5594

Deuteranopia

50.3912, 49.3619, 18.1812



Tritanopia

40.2514, 49.9794, 72.4913

Trichromacy



Original Color

29.2609, 50.2079, 17.1657



Protanomaly

36.3672, 47.8756, 15.3068



Deuteranomaly

38.7380, 47.3990, 17.4631



Tritanomaly

34.8185, 49.5305, 45.2613

Monochromacy



Original Color

29.2609, 50.2079, 17.1657



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0266, 38.9202, 28.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2609, 50.2079, 17.1657 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(85, 213, 87)` looks like.

```
.text, #text, p{  
    color:rgb(85, 213, 87)  
}
```

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(85, 213, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 213, 87) }
```

Border

The CSS property to change the border of an element to XYZ 29.2609, 50.2079, 17.1657 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(85, 213, 87) }
```


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

```
.border{ border-color:rgb(85, 213, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 213, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 213, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 213, 87);  
box-shadow:4px 4px 4px 4px rgb(85, 213,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2609, 50.2079, 17.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 213, 87) }
```

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

```
.background{ background-color: rgb(85, 213,  
87) }
```

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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