

Converting Colors

XYZ(29.5902, 52.2785, 17.4079)

Have a look what the booklet for
XYZ(29.5902, 52.2785, 17.4079)
contains.

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Color

**XYZ(29.5752, 52.2705,
17.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	4ADA56
RGB	74, 218, 86
RGB Percent	29%, 85%, 34%
CMY	0.7098, 0.1451, 0.6627
CMYK	0.66, 0.00, 0.61, 0.15
HSL	125°, 66%, 57%
HSV	125°, 66%, 85%
XYZ	29.5752, 52.2705, 17.3346
YIQ	159.8960, -43.4520, -71.5800

Conversions

Conversions Part 2

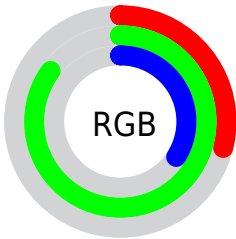
Format	Color
RYB	74, 207, 218
Decimal	4905558
CIELab	77.44, -63.95, 52.71
CIELCh	77, 82.874, 140.503
Yxy	52.2705, 0.2982, 0.5270
Android (android.graphics.Color)	4283095638 (0xFF4ADA56)
YUV	159.8960, -36.4307, -75.3308
Hunter-Lab	72.2983, -53.5028, 36.3932

Details

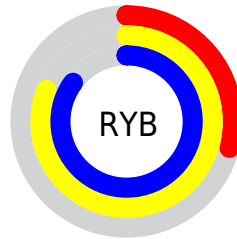
The XYZ color **29.5752, 52.2705, 17.3346** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **42.5042, 24.2601, 60.8359**, and the grayscale version is **33.5439, 35.2907, 38.4316**.

A 20% lighter version of the original color is **51.1411, 78.9024, 37.3452**, and **13.1547, 25.9344, 5.5408** is the 20% darker color. If you saturate the color by 10%, you get **27.4829, 51.2738, 13.6058**, and if you desaturate by 10%, it is **32.4764, 53.6612, 22.2782**.

Distribution



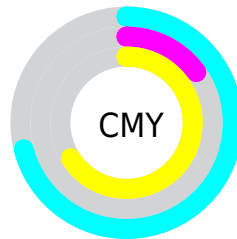
- Red (29%)
- Green (85%)
- Blue (34%)



- Red (29%)
- Yellow (81%)
- Blue (85%)



- Cyan (66%)
- Magenta (0%)
- Yellow (61%)
- Black (15%)



- Cyan (71%)
- Magenta (15%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5752, 52.2705, 17.3346 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 29.5752, 52.2705, 17.3346 by changing the saturation by 10% instead.

■ 29.5752, 52.2705,
17.3346

■ 29.5752, 52.2705,
17.3346

291.8648,
395.4800, 249.2022

■ 19.6628, 37.2207,
10.3089

■ 58.3810, 93.5300,
39.6987

■ 12.2570, 25.3784,
5.4959

■ 78.0051, 120.5086,
55.8741

■ 6.9924, 16.3592,
2.4773

■ 101.5972,
152.2322, 75.9365

■ 3.5037, 9.7787,
0.8281

■ 129.5227,
189.0853, 100.3044

■ 1.4254, 5.2525,
0.0000

162.1468,
231.4522, 129.3964

■ 0.2742, 2.3962,
0.0000

199.8349,

■ 0.0000, 0.8239,

279.7174, 163.6310

0.0000

242.9525,
334.2652, 203.4268

■ 0.0000, 0.0000,
0.0000

■ 29.5752, 52.2705,
17.3346

■ 29.5752, 52.2705,
17.3346

■ 27.4829, 51.2738,
13.6058

■ 32.4764, 53.6612,
22.2782

■ 26.1135, 50.6244,
10.9838

■ 36.2538, 55.4742,
28.5256

■ 25.3671, 50.2751,
9.3475

■ 40.9720, 57.7424,
36.1614

■ 25.1830, 50.1890,
8.9398

■ 46.6886, 60.4939,
45.2621

■ 53.4562, 63.7543,
55.8987

■ 61.3242, 67.5477,
68.1374

■ 70.3384, 71.8963,
82.0408

■ 80.5423, 76.8212,
97.6679

■ 84.3624, 78.6248,
105.3375

Harmonies

Analogous

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



39.6955, 52.2705, 7.9189



29.5752, 52.2705, 17.3346



25.1574, 52.2705, 43.6173

Triad

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



29.5752, 52.2705, 17.3346



44.7914, 52.2705, 194.9225



84.2982, 52.2705, 31.3605

Complementary

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



29.5752, 52.2705, 17.3346



42.5042, 24.2601, 60.8359

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.



86.4825, 52.2705, 72.6699



29.5752, 52.2705, 17.3346



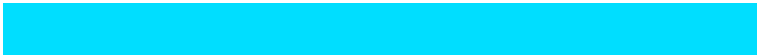
61.2158, 52.2705, 185.1831

Square

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



29.5752, 52.2705, 17.3346



32.6172, 52.2705, 155.1506



77.3028, 52.2705, 133.0473



71.8514, 52.2705, 12.4822

Rectangle

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



29.5752, 52.2705, 17.3346



25.2169, 52.2705, 74.4722



77.3028, 52.2705, 133.0473



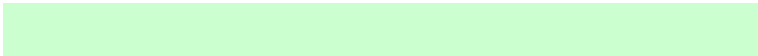
86.3473, 52.2705, 42.3577

Sweetspot

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



29.5765, 52.2727, 17.3358



72.0779, 88.9238, 73.2015



51.7631, 63.7616, 16.0579



14.8470, 18.7536, 14.7549



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.



29.5765, 52.2727, 17.3358



38.3736, 72.7384, 17.8683



34.0684, 54.0694, 40.9900



12.9304, 14.6238, 14.0962



15.1028, 30.0737, 5.4406



0.9941, 1.9546, 0.4347

Inverse Universe

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



42.5042, 24.2601, 60.8359



58.0017, 30.0420, 83.7920



35.6668, 21.5251, 24.8301



13.5651, 13.2551, 16.2372



23.5756, 11.4313, 33.7408



1.5415, 0.7462, 2.2603

Previews

White Background



This preview shows how the XYZ color 29.5752, 52.2705, 17.3346 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 29.5752, 52.2705, 17.3346 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 29.5752, 52.2705, 17.3346

Background



This preview shows how black text looks on a background with the XYZ color 29.5752, 52.2705, 17.3346.

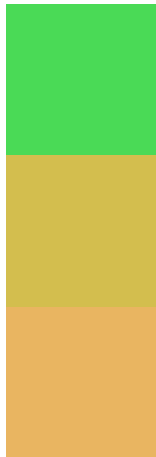


This preview shows how white text looks on a background with the XYZ color 29.5752, 52.2705,

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

29.5752, 52.2705, 17.3346

Protanopia

46.6526, 51.2259, 14.6365

Deuteranopia

52.2858, 51.2345, 18.4427



Tritanopia

41.1996, 51.7857, 76.2308

Trichromacy



Original Color

29.5752, 52.2705, 17.3346



Protanomaly

36.8374, 49.4797, 15.3936



Deuteranomaly

38.9468, 48.4878, 17.6623



Tritanomaly

35.2839, 51.1762, 47.0481

Monochromacy



Original Color

29.5752, 52.2705, 17.3346



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.8108, 39.4083, 28.2257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5752, 52.2705, 17.3346 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(74, 218, 86)` looks like.

```
.text, #text, p{  
    color:rgb(74, 218, 86)  
}
```

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(74, 218, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 218, 86) }
```

Border

The CSS property to change the border of an element to XYZ 29.5752, 52.2705, 17.3346 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(74, 218, 86) }
```


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

```
.border{ border-color:rgb(74, 218, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 218, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 218, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 218, 86);  
box-shadow:4px 4px 4px 4px rgb(74, 218,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5752, 52.2705, 17.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 218, 86) }
```

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

```
.background{ background-color: rgb(74, 218,  
86) }
```

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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