

Converting Colors

XYZ(29.5518, 52.8345, 14.1067)

Have a look what the booklet for
XYZ(29.5518, 52.8345, 14.1067)
contains.

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Color

**XYZ(29.4355, 52.6582,
14.0815)**

Conversions

Conversions Part 1

Format	Color
Hex	4DDB44
RGB	77, 219, 68
RGB Percent	30%, 86%, 27%
CMY	0.6980, 0.1412, 0.7333
CMYK	0.65, 0.00, 0.69, 0.14
HSL	116°, 68%, 56%
HSV	116°, 69%, 86%
XYZ	29.4355, 52.6582, 14.0815
YIQ	159.3280, -36.1610, -77.0650

Conversions

Conversions Part 2

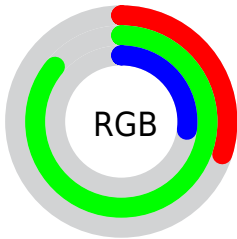
Format	Color
RYB	68, 219, 210
Decimal	5102404
CIELab	77.67, -65.48, 60.36
CIELCh	78, 89.057, 137.327
Yxy	52.6582, 0.3061, 0.5475
Android (android.graphics.Color)	4283292484 (0xFF4DDB44)
YUV	159.3280, -45.0247, -72.2017
Hunter-Lab	72.5660, -54.5841, 39.2909

Details

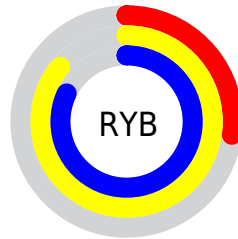
The XYZ color **29.4355, 52.6582, 14.0815** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **41.4350, 22.9525, 69.2671**, and the grayscale version is **33.3179, 35.0531, 38.1728**.

A 20% lighter version of the original color is **50.4905, 78.7008, 31.2685**, and **13.0972, 26.1944, 4.3657** is the 20% darker color. If you saturate the color by 10%, you get **27.4814, 51.7157, 11.1293**, and if you desaturate by 10%, it is **32.1676, 53.9760, 18.3748**.

Distribution



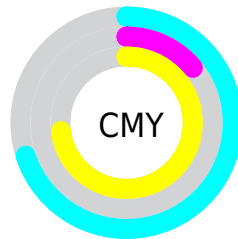
- Red (30%)
- Green (86%)
- Blue (27%)



- Red (27%)
- Yellow (86%)
- Blue (82%)



- Cyan (65%)
- Magenta (0%)
- Yellow (69%)
- Black (14%)




- Cyan (70%)
- Magenta (14%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4355, 52.6582, 14.0815 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 29.4355, 52.6582, 14.0815 by changing the saturation by 10% instead.


 29.4355, 52.6582,
14.0815


 29.4355, 52.6582,
14.0815


291.2215,
396.9724, 229.1833


 19.5565, 37.5300,
8.0380


 58.1611, 94.1012,
33.9528

 12.1794, 25.6181,
4.0311


 77.7383, 121.1848,
48.6176


 6.9391, 16.5382,
1.6424


 101.2790,
153.0223, 66.9933

 3.4700, 9.9058,
0.3208

 129.1485,
189.9981, 89.4983

 1.4069, 5.3365,
0.0000

 161.7121,
232.4967, 116.5513

 0.2611, 2.4460,
0.0000

199.3353,

 0.0000, 0.8494,

280.9023, 148.5708

0.0000

242.3833,
335.5994, 185.9753

■ 0.0000, 0.0000,
0.0000

■ 29.4355, 52.6582,
14.0815

■ 29.4355, 52.6582,
14.0815

■ 27.4814, 51.7157,
11.1293

■ 32.1676, 53.9760,
18.3748

■ 26.2205, 51.1036,
9.3574

■ 35.7438, 55.6957,
24.1391


■ 25.5457, 50.7736,
8.5201


■ 40.2273, 57.8490,
31.4928


■ 25.4993, 50.7511,
8.4520


■ 45.6744, 60.4624,
40.5414

■ 52.1367, 63.5606,
51.3811

 59.6621, 67.1664,
64.1012

 68.2957, 71.3011,
78.7850

 78.0797, 75.9848,
95.5105

 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



40.8202, 52.6582, 6.0907



29.4355, 52.6582, 14.0815



24.1929, 52.6582, 38.9434

Triad

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



29.4355, 52.6582, 14.0815



43.1303, 52.6582, 208.5864



88.7897, 52.6582, 33.4724

Complementary

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



29.4355, 52.6582, 14.0815



41.4350, 22.9525, 69.2671

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.



89.8138, 52.6582, 80.7627



29.4355, 52.6582, 14.0815



60.5758, 52.6582, 203.9060

Square

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



29.4355, 52.6582, 14.0815



30.7908, 52.6582, 159.1660



78.5623, 52.6582, 148.6478



76.0214, 52.6582, 12.0516

Rectangle

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



29.4355, 52.6582, 14.0815



23.8641, 52.6582, 70.3031



78.5623, 52.6582, 148.6478



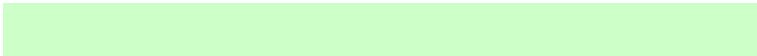
90.6082, 52.6582, 46.0699

Sweetspot

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



29.4367, 52.6604, 14.0827



71.4333, 88.6863, 68.8895



53.0433, 61.0484, 14.4575



14.7340, 18.7161, 13.8120



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.



29.4367, 52.6604, 14.0827



37.8311, 72.5366, 14.3264



31.9808, 53.5999, 31.0096



12.9580, 14.6431, 13.8690



15.1497, 30.1074, 5.0128



1.0073, 1.9638, 0.3260

Inverse Universe

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



41.4350, 22.9525, 69.2671



55.6792, 27.9199, 97.0622



37.0792, 21.5144, 32.5834



13.5338, 13.2333, 16.4931



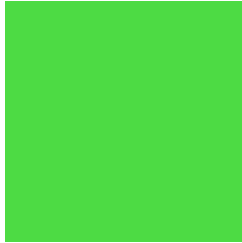
22.7002, 10.8266, 40.6317



1.4944, 0.7136, 2.6334

Previews

White Background



This preview shows how the XYZ color 29.4355, 52.6582, 14.0815 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 29.4355, 52.6582, 14.0815 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 29.4355, 52.6582, 14.0815

Background



This preview shows how black text looks on a background with the XYZ color 29.4355, 52.6582, 14.0815.

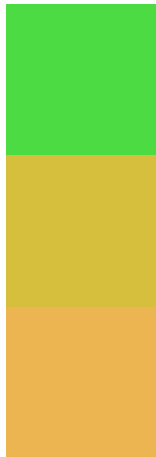


This preview shows how white text looks on a background with the XYZ color 29.4355, 52.6582,

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

29.4355, 52.6582, 14.0815

Protanopia

46.8870, 51.7340, 11.7894

Deuteranopia

52.6011, 51.4747, 14.9478



Tritanopia

41.8219, 52.4605, 76.3283

Trichromacy



Original Color

29.4355, 52.6582, 14.0815



Protanomaly

37.0937, 50.0247, 12.4033



Deuteranomaly

39.1797, 49.0170, 14.2337



Tritanomaly

35.2050, 51.5765, 43.6971

Monochromacy



Original Color

29.4355, 52.6582, 14.0815



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.3430, 39.2212, 25.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4355, 52.6582, 14.0815 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(77, 219, 68)` looks like.

```
.text, #text, p{  
    color:rgb(77, 219, 68)  
}
```

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(77, 219, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 219, 68) }
```

Border

The CSS property to change the border of an element to XYZ 29.4355, 52.6582, 14.0815 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(77, 219, 68) }
```


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

```
.border{ border-color:rgb(77, 219, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 219, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 219, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 219, 68);  
box-shadow:4px 4px 4px 4px rgb(77, 219,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4355, 52.6582, 14.0815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 219, 68) }
```

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

```
.background{ background-color: rgb(77, 219,  
68) }
```

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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