

Converting Colors

XYZ(29.0240, 49.5644, 17.7619)

Have a look what the booklet for
XYZ(29.0240, 49.5644, 17.7619)
contains.

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Color

**XYZ(29.1353, 49.7564,
17.7412)**

Conversions

Conversions Part 1

Format	Color
Hex	55D45A
RGB	85, 212, 90
RGB Percent	33%, 83%, 35%
CMY	0.6667, 0.1686, 0.6470
CMYK	0.60, 0.00, 0.58, 0.17
HSL	122°, 60%, 58%
HSV	122°, 60%, 83%
XYZ	29.1353, 49.7564, 17.7412
YIQ	160.1190, -36.5300, -64.8660

Conversions

Conversions Part 2

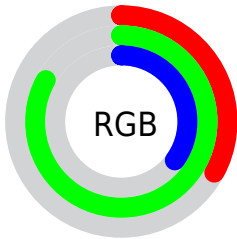
Format	Color
RYB	85, 207, 212
Decimal	5624922
CIELab	75.92, -59.08, 49.24
CIElCh	76, 76.908, 140.186
Yxy	49.7564, 0.3015, 0.5149
Android (android.graphics.Color)	4283815002 (0xFF55D45A)
YUV	160.1190, -34.5687, -65.8794
Hunter-Lab	70.5382, -49.7137, 34.4646

Details

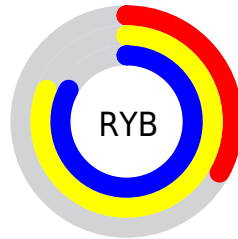
The XYZ color **29.1353, 49.7564, 17.7412** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **41.6638, 25.0000, 61.6624**, and the grayscale version is **33.6362, 35.3879, 38.5375**.

A 20% lighter version of the original color is **52.5720, 79.6142, 38.5828**, and **12.2224, 23.9105, 5.7213** is the 20% darker color. If you saturate the color by 10%, you get **26.7400, 48.6098, 13.7079**, and if you desaturate by 10%, it is **32.3469, 51.2993, 23.0543**.

Distribution



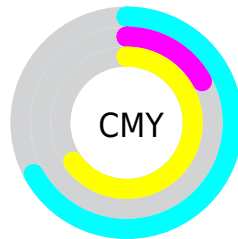
- Red (33%)
- Green (83%)
- Blue (35%)



- Red (33%)
- Yellow (81%)
- Blue (83%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (17%)





- Cyan (67%)
- Magenta (17%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1353, 49.7564, 17.7412 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 29.1353, 49.7564, 17.7412 by changing the saturation by 10% instead.


 29.1353, 49.7564,
17.7412


 29.1353, 49.7564,
17.7412


289.8355,
385.7126, 251.5952

 19.3280, 35.2199,
10.5968


 57.6881, 89.8138,
40.4038

 12.0129, 23.8323,
5.6857

 77.1642, 116.1036,
56.7591

 6.8247, 15.2093,
2.5892


 100.5940,
147.0798, 77.0218

 3.3981, 8.9664,
0.8869

 128.3429,
183.1269, 101.6105

 1.3676, 4.7193,
0.0000

160.7761,
224.6294, 130.9436

 0.2330, 2.0835,
0.0000

198.2590,

 0.0000, 0.6553,

271.9715, 165.4397

0.0000

241.1570,
325.5378, 205.5174

■ 0.0000, 0.0000,
0.0000

■ 29.1353, 49.7564,
17.7412

■ 29.1353, 49.7564,
17.7412

■ 26.7400, 48.6098,
13.7079

■ 32.3469, 51.2993,
23.0543

■ 25.0842, 47.8179,
10.8437

■ 36.4356, 53.2633,
29.7389

■ 24.0829, 47.3409,
9.0248

■ 41.4605, 55.6787,
37.8825

■ 23.5937, 47.1089,
8.0947

■ 47.4746, 58.5710,
47.5641

■ 23.5902, 47.1072,
8.0890

■ 54.5269, 61.9640,
58.8572

■ 62.6631, 65.8796,
71.8305

■ 71.9263, 70.3388,
86.5486

■ 82.3572, 75.3612,
103.0730

■ 82.8344, 75.5689,
104.8281

Harmonies

Analogous

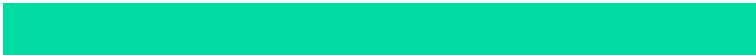
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4113, 49.7564, 8.7471



29.1353, 49.7564, 17.7412



25.0147, 49.7564, 41.8134

Triad

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



29.1353, 49.7564, 17.7412



42.7512, 49.7564, 174.9808



78.1357, 49.7564, 31.2634

Complementary

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



29.1353, 49.7564, 17.7412



41.6638, 25.0000, 61.6624

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.



79.9503, 49.7564, 68.7633



29.1353, 49.7564, 17.7412



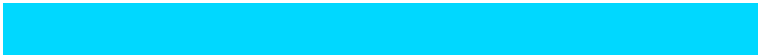
57.4457, 49.7564, 167.0411

Square

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



29.1353, 49.7564, 17.7412



31.7590, 49.7564, 140.1486



71.7569, 49.7564, 121.9960



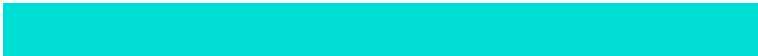
67.2084, 49.7564, 13.3696

Rectangle

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



29.1353, 49.7564, 17.7412



25.0350, 49.7564, 69.3550



71.7569, 49.7564, 121.9960



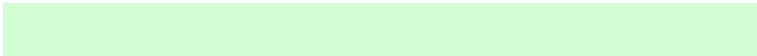
79.9063, 49.7564, 41.3914

Sweetspot

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



29.1365, 49.7585, 17.7423



73.8291, 89.7884, 75.0070



51.1321, 61.1214, 17.6974



15.1762, 18.9172, 15.0493



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.



29.1365, 49.7585, 17.7423



39.7858, 73.4339, 19.4041



33.0189, 51.3114, 38.1867



12.2820, 13.9038, 13.2997



14.5715, 29.0839, 5.0390



0.8860, 1.7571, 0.3415

Inverse Universe

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



41.6638, 25.0000, 61.6624



60.4263, 32.5805, 91.7233



35.4558, 22.5167, 28.9711



12.9309, 12.6239, 15.5764



23.4737, 11.3258, 36.1284



1.4226, 0.6858, 2.2145

Previews

White Background



This preview shows how the XYZ color 29.1353, 49.7564, 17.7412 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 29.1353, 49.7564, 17.7412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

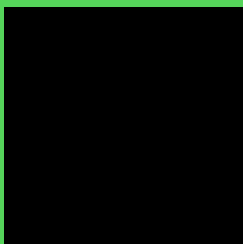
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

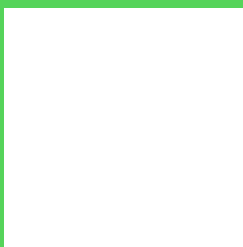
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1353, 49.7564, 17.7412

Background



This preview shows how black text looks on a background with the XYZ color 29.1353, 49.7564, 17.7412.



This preview shows how white text looks on a background with the XYZ color 29.1353, 49.7564,

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

29.1353, 49.7564, 17.7412

Protanopia

44.5355, 48.8488, 15.0641

Deuteranopia

49.7009, 48.6953, 18.8362



Tritanopia

39.8916, 49.4661, 71.7354

Trichromacy



Original Color

29.1353, 49.7564, 17.7412



Protanomaly

36.0551, 47.3675, 15.8369



Deuteranomaly

38.2040, 46.7854, 18.0833



Tritanomaly

34.6743, 49.0913, 45.6782

Monochromacy



Original Color

29.1353, 49.7564, 17.7412



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.1661, 38.9760, 28.8549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1353, 49.7564, 17.7412 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, 212, 90)` looks like.

```
.text, #text, p{  
    color:rgb(85, 212, 90)  
}
```

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, 212, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 212, 90) }
```

Border

The CSS property to change the border of an element to XYZ 29.1353, 49.7564, 17.7412 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, 212, 90) }
```


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

```
.border{ border-color:rgb(85, 212, 90) }
```

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

Here you see how a box with a 4 pixel rgb(85, 212, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 212, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 212, 90);  
box-shadow:4px 4px 4px 4px rgb(85, 212,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1353, 49.7564, 17.7412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 212, 90) }
```

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

```
.background{ background-color: rgb(85, 212,  
90) }
```

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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