

Converting Colors

XYZ(29.4050, 48.9857, 20.2467)

Have a look what the booklet for
XYZ(29.4050, 48.9857, 20.2467)
contains.

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Color

**XYZ(29.5154, 49.1566,
20.2445)**

Conversions

Conversions Part 1

Format	Color
Hex	59D265
RGB	89, 210, 101
RGB Percent	35%, 82%, 40%
CMY	0.6510, 0.1765, 0.6039
CMYK	0.58, 0.00, 0.52, 0.18
HSL	126°, 57%, 59%
HSV	126°, 58%, 82%
XYZ	29.5154, 49.1566, 20.2445
YIQ	161.3950, -37.1270, -59.5510

Conversions

Conversions Part 2

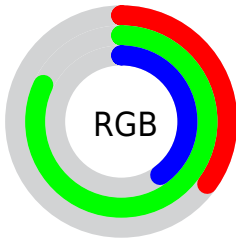
Format	Color
RYB	89, 199, 210
Decimal	5886565
CIELab	75.55, -56.02, 43.69
CIELCh	76, 71.041, 142.047
Yxy	49.1566, 0.2984, 0.4970
Android (android.graphics.Color)	4284076645 (0xFF59D265)
YUV	161.3950, -29.7747, -63.4904
Hunter-Lab	70.1118, -47.5513, 31.9585

Details

The XYZ color **29.5154, 49.1566, 20.2445** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.3452, 24.9245, 56.1118**, and the grayscale version is **34.2080, 35.9895, 39.1925**.

A 20% lighter version of the original color is **53.9872, 80.2427, 43.2148**, and **12.1814, 23.3673, 6.8859** is the 20% darker color. If you saturate the color by 10%, you get **26.9578, 47.9346, 15.8312**, and if you desaturate by 10%, it is **32.8635, 50.7643, 25.8104**.

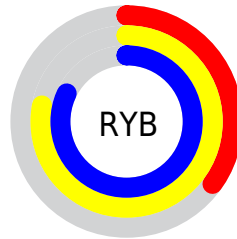
Distribution



Red (35%)

Green (82%)

Blue (40%)



Red (35%)

Yellow (78%)

Blue (82%)

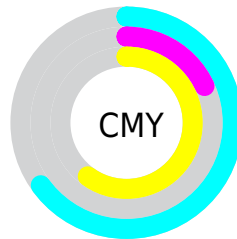


Cyan (58%)

Magenta (0%)

Yellow (52%)

Black (18%)



Cyan (65%)

Magenta (18%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5154, 49.1566, 20.2445 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 29.5154, 49.1566, 20.2445 by changing the saturation by 10% instead.

■ 29.5154, 49.1566,
20.2445

■ 29.5154, 49.1566,
20.2445

291.5896,
383.3585, 265.8836

■ 19.6173, 34.7437,
12.3871

■ 58.2869, 88.9240,
44.6911

■ 12.2238, 23.4655,
6.8821

■ 77.8909, 115.0473,
62.1173

■ 6.9696, 14.9376,
3.3112

■ 101.4611,
145.8429, 83.5702

■ 3.4892, 8.7756,
1.2556

■ 129.3626,
181.6951, 109.4683

■ 1.4175, 4.5951,
0.0250

161.9608,
222.9884, 140.2301

■ 0.2686, 2.0117,
0.0000

199.6212,

■ 0.0000, 0.6143,

270.1071, 176.2742

0.0000

242.7090,
323.4357, 218.0192

■ 0.0000, 0.0000,
0.0000

■ 29.5154, 49.1566,
20.2445

■ 29.5154, 49.1566,
20.2445

■ 26.9578, 47.9346,
15.8312

■ 32.8635, 50.7643,
25.8104

■ 25.1218, 47.0602,
12.4868

■ 37.0563, 52.7799,
32.5985

■ 23.9329, 46.4984,
10.1214

■ 42.1474, 55.2309,
40.6767

■ 23.2892, 46.1990,
8.6285

■ 48.1850, 58.1409,
50.1069

■ 23.1813, 46.1486,
8.3870

■ 55.2137, 61.5317,
60.9471

■ 63.2755, 65.4237,
73.2519

■ 72.4097, 69.8362,
87.0729

■ 81.9126, 74.4051,
102.4247

■ 82.3375, 74.5751,
104.6625

Harmonies

Analogous

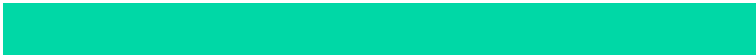
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.8756, 49.1566, 10.5968



29.5154, 49.1566, 20.2445



25.9216, 49.1566, 44.1334

Triad

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



29.5154, 49.1566, 20.2445



43.3166, 49.1566, 161.7405



74.2307, 49.1566, 30.7211

Complementary

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



29.5154, 49.1566, 20.2445



40.3452, 24.9245, 56.1118

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.



76.4340, 49.1566, 64.1584



29.5154, 49.1566, 20.2445



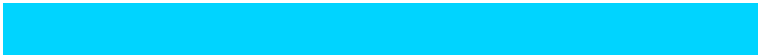
56.8483, 49.1566, 152.3365

Square

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



29.5154, 49.1566, 20.2445



32.8574, 49.1566, 133.1234



69.5775, 49.1566, 111.4080



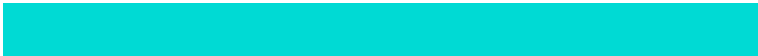
64.0231, 49.1566, 14.3695

Rectangle

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



29.5154, 49.1566, 20.2445



26.1335, 49.1566, 70.0674



69.5775, 49.1566, 111.4080



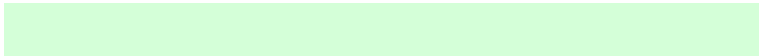
76.0003, 49.1566, 39.8126

Sweetspot

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



29.5166, 49.1586, 20.2456



75.1988, 90.4204, 78.4212



48.6489, 59.0848, 18.2919



15.6593, 19.1433, 16.1078



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.



29.5166, 49.1586, 20.2456



41.1231, 74.0382, 23.3113



33.4765, 50.7426, 41.0981



11.7033, 13.2251, 12.7938



14.1569, 28.1557, 5.2063



0.8082, 1.5809, 0.3788

Inverse Universe

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



40.3452, 24.9245, 56.1118



59.4059, 33.0057, 83.7810



34.8428, 22.7235, 27.1366



12.2582, 11.9880, 14.6352



21.8477, 10.6119, 30.4340



1.2366, 0.5993, 1.7805

Previews

White Background



This preview shows how the XYZ color 29.5154, 49.1566, 20.2445 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 29.5154, 49.1566, 20.2445 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 29.5154, 49.1566, 20.2445

Background



This preview shows how black text looks on a background with the XYZ color 29.5154, 49.1566, 20.2445.

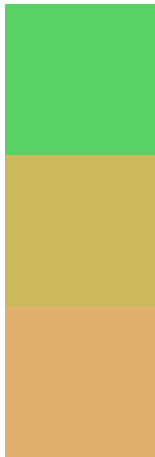


This preview shows how white text looks on a background with the XYZ color 29.5154, 49.1566,

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

29.5154, 49.1566, 20.2445

Protanopia

44.2266, 48.3256, 17.3527

Deuteranopia

49.0803, 48.0238, 21.4346



Tritanopia

39.6678, 49.0251, 70.9904

Trichromacy



Original Color

29.5154, 49.1566, 20.2445



Protanomaly

36.3034, 47.1095, 18.2460



Deuteranomaly

38.3163, 46.1419, 20.7967



Tritanomaly

34.7268, 48.3840, 47.0439

Monochromacy



Original Color

29.5154, 49.1566, 20.2445



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.7720, 39.2552, 30.3812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5154, 49.1566, 20.2445 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(89, 210, 101)` looks like.

```
.text, #text, p{  
    color:rgb(89, 210, 101)  
}
```

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(89, 210, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 210, 101) }
```

Border

The CSS property to change the border of an element to XYZ 29.5154, 49.1566, 20.2445 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(89, 210, 101) }
```


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

```
.border{ border-color:rgb(89, 210, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 210, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 210, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 210, 101);  
box-shadow:4px 4px 4px 4px rgb(89, 210,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5154, 49.1566, 20.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 210, 101) }
```

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

```
.background{ background-color: rgb(89, 210,  
101) }
```

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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