

Converting Colors

XYZ(29.1765, 48.9213, 15.5747)

Have a look what the booklet for
XYZ(29.1765, 48.9213, 15.5747)
contains.

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Color

**XYZ(29.3184, 49.1592,
15.5328)**

Conversions

Conversions Part 1

Format	Color
Hex	60D250
RGB	96, 210, 80
RGB Percent	38%, 82%, 31%
CMY	0.6235, 0.1765, 0.6863
CMYK	0.54, 0.00, 0.62, 0.18
HSL	113°, 59%, 57%
HSV	113°, 62%, 82%
XYZ	29.3184, 49.1592, 15.5328
YIQ	161.0940, -26.2140, -64.5980

Conversions

Conversions Part 2

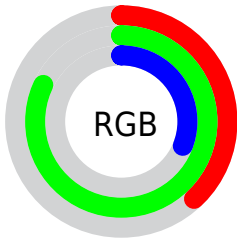
Format	Color
RYB	80, 210, 194
Decimal	6345296
CIELab	75.55, -56.78, 53.34
CIElCh	76, 77.906, 136.787
Yxy	49.1592, 0.3119, 0.5229
Android (android.graphics.Color)	4284535376 (0xFF60D250)
YUV	161.0940, -39.9793, -57.0874
Hunter-Lab	70.1136, -48.0581, 35.9446

Details

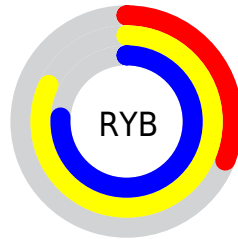
The XYZ color **29.3184, 49.1592, 15.5328** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **36.7525, 21.8616, 63.2581**, and the grayscale version is **34.1099, 35.8862, 39.0801**.

A 20% lighter version of the original color is **53.5806, 80.2098, 35.2123**, and **12.0538, 23.3513, 4.6310** is the 20% darker color. If you saturate the color by 10%, you get **26.9450, 48.0132, 11.9854**, and if you desaturate by 10%, it is **32.3905, 50.6403, 20.3804**.

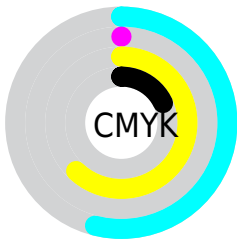
Distribution



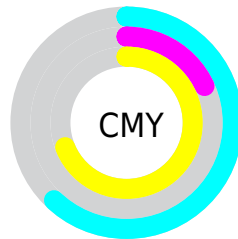
- Red (38%)
- Green (82%)
- Blue (31%)



- Red (31%)
- Yellow (82%)
- Blue (76%)



- Cyan (54%)
- Magenta (0%)
- Yellow (62%)
- Black (18%)



- Cyan (62%)
- Magenta (18%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3184, 49.1592, 15.5328 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 29.3184, 49.1592, 15.5328 by changing the saturation by 10% instead.

■ 29.3184, 49.1592,
15.5328

■ 29.3184, 49.1592,
15.5328

290.6815,
383.3687, 238.3197

■ 19.4673, 34.7458,
9.0434

■ 57.9766, 88.9279,
36.5406

■ 12.1144, 23.4671,
4.6723

■ 77.5145, 115.0519,
51.8961

■ 6.8944, 14.9388,
2.0010

■ 101.0120,
145.8482, 71.0441

■ 3.4419, 8.7764,
0.5559

■ 128.8345,
181.7013, 94.4031

■ 1.3915, 4.5957,
0.0000

■ 161.3473,
222.9955, 122.3916

■ 0.2502, 2.0120,
0.0000

198.9159,

■ 0.0000, 0.6144,

270.1152, 155.4282

0.0000

241.9055,
323.4448, 193.9313

■ 0.0000, 0.0000,
0.0000

■ 29.3184, 49.1592,
15.5328

■ 29.3184, 49.1592,
15.5328

■ 26.9450, 48.0132,
11.9854

■ 32.3905, 50.6403,
20.3804

■ 25.2111, 47.1701,
9.6099

■ 36.2072, 52.4734,
26.6339

■ 24.0534, 46.6020,
8.2578

■ 40.8147, 54.6817,
34.3920

■ 23.4696, 46.3128,
7.7023

■ 46.2542, 57.2846,
43.7436

■ 52.5644, 60.3000,
54.7707

■ 59.7811, 63.7450,
67.5496

■ 67.9383, 67.6355,
82.1520

■ 77.0684, 71.9866,
98.6455

■ 82.3376, 74.5752,
104.6625

Harmonies

Analogous

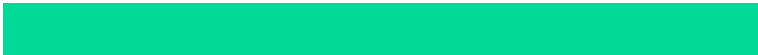
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1789, 49.1592, 7.8555



29.3184, 49.1592, 15.5328



24.6298, 49.1592, 37.3776

Triad

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



29.3184, 49.1592, 15.5328



40.6802, 49.1592, 173.6929



78.5415, 49.1592, 33.7439

Complementary

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



29.3184, 49.1592, 15.5328



36.7525, 21.8616, 63.2581

Split Complementary

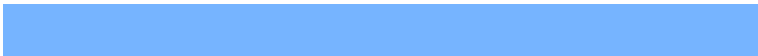
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1747, 49.1592, 73.7616



29.3184, 49.1592, 15.5328



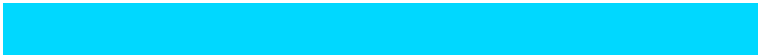
55.1812, 49.1592, 170.9037

Square

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



29.3184, 49.1592, 15.5328



30.2221, 49.1592, 134.5566



69.9342, 49.1592, 128.1971



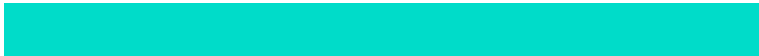
68.3494, 49.1592, 14.0505

Rectangle

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



29.3184, 49.1592, 15.5328



24.2800, 49.1592, 63.4493



69.9342, 49.1592, 128.1971



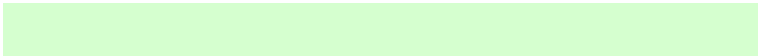
79.9428, 49.1592, 44.6954

Sweetspot

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



29.3196, 49.1613, 15.5339



74.2667, 90.0762, 72.2156



47.0249, 52.2760, 15.2019



15.3220, 19.0055, 14.4595



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.



29.3196, 49.1613, 15.5339



40.9221, 74.0665, 17.3402



30.2308, 49.3507, 28.2409



11.7895, 13.2750, 12.5530



14.3612, 28.2724, 4.7002



0.8489, 1.6045, 0.2650

Inverse Universe

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



36.7525, 21.8616, 63.2581



53.2234, 28.2707, 97.2594



36.0001, 22.0608, 36.7006



12.1617, 11.9322, 14.9058



19.2348, 9.0962, 37.9344



1.1166, 0.5298, 2.1230

Previews

White Background



This preview shows how the XYZ color 29.3184, 49.1592, 15.5328 looks on a white background.

Color Contrast Check

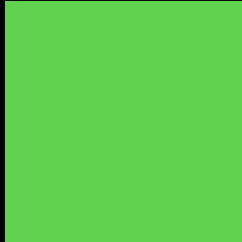
Large Text (above 18pt) WCAG AA × Fail

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 29.3184, 49.1592, 15.5328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

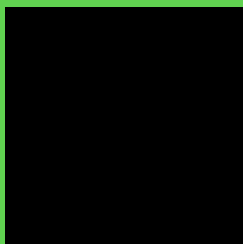
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3184, 49.1592, 15.5328

Background



This preview shows how black text looks on a background with the XYZ color 29.3184, 49.1592, 15.5328.

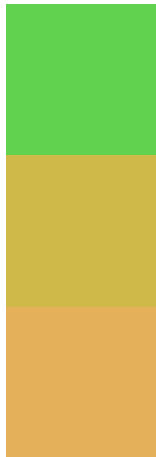


This preview shows how white text looks on a background with the XYZ color 29.3184, 49.1592,

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

29.3184, 49.1592, 15.5328

Protanopia

44.0052, 48.3008, 13.3070

Deuteranopia

49.3657, 48.2828, 16.3905



Tritanopia

40.2887, 49.0217, 70.2895

Trichromacy



Original Color

29.3184, 49.1592, 15.5328



Protanomaly

36.3222, 47.2124, 14.0360



Deuteranomaly

38.4853, 46.3416, 15.7205



Tritanomaly

34.8515, 48.5351, 43.1287

Monochromacy



Original Color

29.3184, 49.1592, 15.5328



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.6015, 39.2245, 27.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3184, 49.1592, 15.5328 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(96, 210, 80)` looks like.

```
.text, #text, p{  
    color:rgb(96, 210, 80)  
}
```

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(96, 210, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 210, 80) }
```

Border

The CSS property to change the border of an element to XYZ 29.3184, 49.1592, 15.5328 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(96, 210, 80) }
```


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

```
.border{ border-color:rgb(96, 210, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 210, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 210, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 210, 80);  
box-shadow:4px 4px 4px 4px rgb(96, 210,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3184, 49.1592, 15.5328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 210, 80) }
```

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

```
.background{ background-color: rgb(96, 210,  
80) }
```

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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