

Converting Colors

XYZ(29.2665, 49.7578, 14.9345)

Have a look what the booklet for
XYZ(29.2665, 49.7578, 14.9345)
contains.

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Color

**XYZ(29.3622, 49.9359,
14.9285)**

Conversions

Conversions Part 1

Format	Color
Hex	5DD44C
RGB	93, 212, 76
RGB Percent	36%, 83%, 30%
CMY	0.6353, 0.1686, 0.7019
CMYK	0.56, 0.00, 0.64, 0.17
HSL	113°, 61%, 56%
HSV	113°, 64%, 83%
XYZ	29.3622, 49.9359, 14.9285
YIQ	160.9150, -27.2680, -67.5240

Conversions

Conversions Part 2

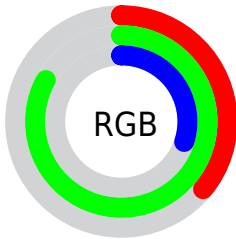
Format	Color
RYB	76, 212, 195
Decimal	6149196
CIELab	76.03, -58.68, 55.54
CIElCh	76, 80.797, 136.572
Yxy	49.9359, 0.3116, 0.5300
Android (android.graphics.Color)	4284339276 (0xFF5DD44C)
YUV	160.9150, -41.8631, -59.5615
Hunter-Lab	70.6653, -49.4957, 36.9403

Details

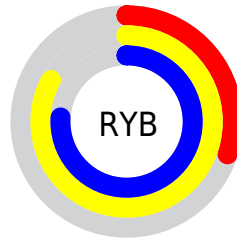
The XYZ color **29.3622, 49.9359, 14.9285** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **36.9765, 21.5262, 64.4961**, and the grayscale version is **34.0354, 35.8079, 38.9948**.

A 20% lighter version of the original color is **52.9261, 79.9040, 33.7526**, and **12.1057, 23.8798, 4.3867** is the 20% darker color. If you saturate the color by 10%, you get **27.0882, 48.8367, 11.5885**, and if you desaturate by 10%, it is **32.3369, 51.3712, 19.5706**.

Distribution



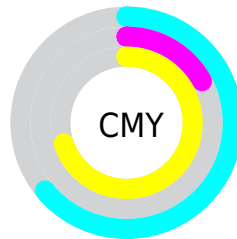
- Red (36%)
- Green (83%)
- Blue (30%)



- Red (30%)
- Yellow (83%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (64%)
- Black (17%)





- Cyan (64%)
- Magenta (17%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3622, 49.9359, 14.9285 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 29.3622, 49.9359, 14.9285 by changing the saturation by 10% instead.


 29.3622, 49.9359,
14.9285


 29.3622, 49.9359,
14.9285


290.8836,
386.4152, 234.5589


 19.5006, 35.3625,
8.6232


 58.0456, 90.0799,
35.4682

 12.1387, 23.9422,
4.4028


 77.5982, 116.4193,
50.5397


 6.9111, 15.2908,
1.8488


 101.1119,
147.4494, 69.3703

 3.4524, 9.0237,
0.4599

 128.9520,
183.5546, 92.3785

 1.3973, 4.7566,
0.0000

 161.4838,
225.1195, 119.9830

 0.2543, 2.1052,
0.0000

199.0728,

 0.0000, 0.6675,

272.5282, 152.6021

0.0000

242.0843,
326.1654, 190.6546

■ 0.0000, 0.0000,
0.0000

■ 29.3622, 49.9359,
14.9285

■ 29.3622, 49.9359,
14.9285

■ 27.0882, 48.8367,
11.5885

■ 32.3369, 51.3712,
19.5706

■ 25.4528, 48.0400,
9.4147

■ 36.0603, 53.1605,
25.6264

■ 24.3888, 47.5163,
8.2470

■ 40.5803, 55.3278,
33.1991

■ 23.9832, 47.3151,
7.8687

■ 45.9399, 57.8931,
42.3816

■ 52.1788, 60.8751,
53.2592

■ 59.3344, 64.2912,
65.9112

■ 67.4416, 68.1581,
80.4120

■ 76.5338, 72.4913,
96.8315

■ 82.8345, 75.5690,
104.8282

Harmonies

Analogous

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



39.6618, 49.9359, 7.2953



29.3622, 49.9359, 14.9285



24.4731, 49.9359, 37.2746

Triad

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



29.3622, 49.9359, 14.9285



41.0413, 49.9359, 181.7798



81.0395, 49.9359, 33.9554

Complementary

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



29.3622, 49.9359, 14.9285



36.9765, 21.5262, 64.4961

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.



81.6293, 49.9359, 76.0303



29.3622, 49.9359, 14.9285



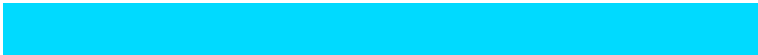
56.2245, 49.9359, 179.1550

Square

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



29.3622, 49.9359, 14.9285



30.1868, 49.9359, 139.7495



71.7941, 49.9359, 133.7892



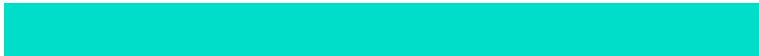
70.3215, 49.9359, 13.6080

Rectangle

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



29.3622, 49.9359, 14.9285



24.0879, 49.9359, 64.4431



71.7941, 49.9359, 133.7892



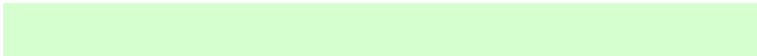
82.4968, 49.9359, 45.4084

Sweetspot

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



29.3634, 49.9380, 14.9296



74.2937, 90.0902, 72.2169



47.7202, 53.0455, 14.5619



15.3283, 19.0088, 14.4598



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.



29.3634, 49.9380, 14.9296



40.1243, 73.6797, 16.1971



30.2828, 50.1286, 27.7747



12.4052, 13.9696, 13.2033



14.8514, 29.2325, 4.8597



0.9445, 1.7883, 0.2954

Inverse Universe

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



36.9765, 21.5262, 64.4961



52.3774, 27.2115, 97.0995



36.2711, 21.7806, 36.5388



12.7932, 12.5503, 15.6857



19.8219, 9.3711, 39.2172



1.2393, 0.5878, 2.3674

Previews

White Background



This preview shows how the XYZ color 29.3622, 49.9359, 14.9285 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 29.3622, 49.9359, 14.9285 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 29.3622, 49.9359, 14.9285

Background



This preview shows how black text looks on a background with the XYZ color 29.3622, 49.9359, 14.9285.



This preview shows how white text looks on a background with the XYZ color 29.3622, 49.9359,

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

29.3622, 49.9359, 14.9285

Protanopia

44.6455, 48.9574, 12.7269

Deuteranopia

50.0756, 48.9554, 15.8269



Tritanopia

40.3577, 49.3808, 71.0227

Trichromacy



Original Color

29.3622, 49.9359, 14.9285



Protanomaly

36.4107, 47.6051, 13.4005



Deuteranomaly

38.7972, 47.1547, 15.2406



Tritanomaly

34.6123, 48.7717, 42.7116

Monochromacy



Original Color

29.3622, 49.9359, 14.9285



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.5039, 39.4885, 27.1334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3622, 49.9359, 14.9285 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(93, 212, 76)` looks like.

```
.text, #text, p{  
    color:rgb(93, 212, 76)  
}
```

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(93, 212, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 212, 76) }
```

Border

The CSS property to change the border of an element to XYZ 29.3622, 49.9359, 14.9285 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(93, 212, 76) }
```


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

```
.border{ border-color:rgb(93, 212, 76) }
```

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

Here you see how a box with a 4 pixel rgb(93, 212, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 212, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 212, 76);  
box-shadow:4px 4px 4px 4px rgb(93, 212,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3622, 49.9359, 14.9285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 212, 76) }
```

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

```
.background{ background-color: rgb(93, 212,  
76) }
```

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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