

Converting Colors

XYZ(30.9485, 56.6108, 14.9876)

Have a look what the booklet for
XYZ(30.9485, 56.6108, 14.9876)
contains.

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Color

**XYZ(30.9272, 56.5968,
14.9245)**

Conversions

Conversions Part 1

Format	Color
Hex	44E345
RGB	68, 227, 69
RGB Percent	27%, 89%, 27%
CMY	0.7333, 0.1098, 0.7294
CMYK	0.70, 0.00, 0.70, 0.11
HSL	120°, 74%, 58%
HSV	120°, 70%, 89%
XYZ	30.9272, 56.5968, 14.9245
YIQ	161.4470, -44.0460, -82.8460

Conversions

Conversions Part 2

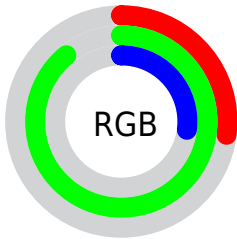
Format	Color
RYB	68, 226, 227
Decimal	4514629
CIELab	79.95, -69.68, 62.31
CIELCh	80, 93.482, 138.195
Yxy	56.5968, 0.3019, 0.5524
Android (android.graphics.Color)	4282704709 (0xFF44E345)
YUV	161.4470, -45.5764, -81.9530
Hunter-Lab	75.2308, -58.2731, 40.8995

Details

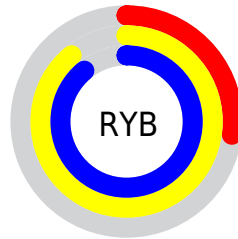
The XYZ color **30.9272, 56.5968, 14.9245** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **47.4745, 25.9569, 74.4592**, and the grayscale version is **34.3063, 36.0929, 39.3052**.

A 20% lighter version of the original color is **49.7782, 78.3190, 31.8955**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **29.0677, 55.7060, 11.8517**, and if you desaturate by 10%, it is **33.6679, 57.9145, 19.4294**.

Distribution



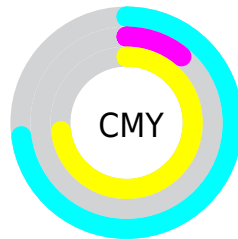
- Red (27%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)





- Cyan (73%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9272, 56.5968, 14.9245 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 30.9272, 56.5968, 14.9245 by changing the saturation by 10% instead.


 30.9272, 56.5968,
14.9245


 30.9272, 56.5968,
14.9245


298.0357,
411.9367, 234.5338

 20.6950, 40.6816,
8.6204


 60.5021, 99.8766,
35.4611


 13.0124, 28.0704,
4.4010


 80.5754, 128.0101,
50.5307


 7.5142, 18.3787,
1.8478


 104.6598,
160.9850, 69.3591

 3.8348, 11.2222,
0.4592

 133.1207,
199.1859, 92.3650

 1.6091, 6.2165,
0.0000

 166.3234,
242.9972, 119.9669

 0.3983, 2.9772,
0.0000

204.6332,

 0.0000, 1.1198,

292.8031, 152.5833

0.0000

248.4155,
348.9882, 190.6327

■ 0.0000, 0.0000,
0.0000

■ 30.9272, 56.5968,
14.9245

■ 30.9272, 56.5968,
14.9245

■ 29.0677, 55.7060,
11.8517

■ 33.6679, 57.9145,
19.4294

■ 27.9782, 55.1834,
10.0351


■ 37.3762, 59.6955,
25.5078

■ 27.4781, 54.9436,
9.1981


■ 42.1324, 61.9801,
33.2882


■ 48.0075, 64.8025,
42.8852

■ 55.0663, 68.1939,
54.4030

 63.3687, 72.1829,
67.9384

 72.9705, 76.7965,
83.5813

 83.9239, 82.0598,
101.4164

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



43.1886, 56.5968, 6.1237



30.9272, 56.5968, 14.9245



25.4056, 56.5968, 42.6280

Triad

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



30.9272, 56.5968, 14.9245



46.6709, 56.5968, 230.8685



96.4195, 56.5968, 34.4216

Complementary

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



30.9272, 56.5968, 14.9245



47.4745, 25.9569, 74.4592

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.



97.9807, 56.5968, 85.5618



30.9272, 56.5968, 14.9245



66.0062, 56.5968, 223.6745

Square

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



30.9272, 56.5968, 14.9245



32.9580, 56.5968, 176.9005



85.8222, 56.5968, 160.7846



81.9562, 56.5968, 11.9484

Rectangle

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



30.9272, 56.5968, 14.9245



25.1644, 56.5968, 77.7468



85.8222, 56.5968, 160.7846



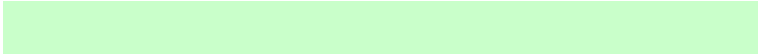
98.5770, 56.5968, 47.9006

Sweetspot

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



30.9285, 56.5992, 14.9258



70.6042, 88.2542, 69.0593



60.1935, 71.6894, 16.1339



14.5419, 18.6161, 13.8513



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.



30.9285, 56.5992, 14.9258



37.0872, 72.1556, 14.1776



35.1602, 58.2918, 37.2093



14.1930, 16.0906, 15.2814



16.0262, 32.0426, 5.3726



1.1856, 2.3684, 0.4039

Inverse Universe

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



47.4745, 25.9569, 74.4592



59.8589, 29.9652, 96.0985



39.0530, 22.5883, 30.1127



14.9910, 14.6136, 18.1531



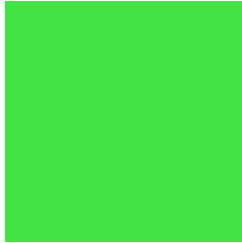
26.4480, 12.7134, 42.8498



1.9557, 0.9400, 3.1732

Previews

White Background



This preview shows how the XYZ color 30.9272, 56.5968, 14.9245 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 30.9272, 56.5968, 14.9245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

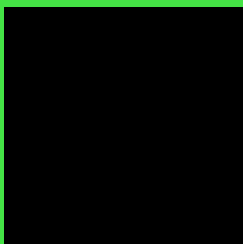
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

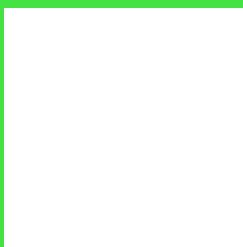
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9272, 56.5968, 14.9245

Background



This preview shows how black text looks on a background with the XYZ color 30.9272, 56.5968, 14.9245.



This preview shows how white text looks on a background with the XYZ color 30.9272, 56.5968,

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

30.9272, 56.5968, 14.9245

Protanopia

50.3238, 55.4851, 12.4722

Deuteranopia

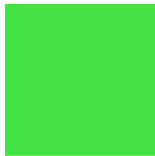
56.6399, 55.3983, 15.8913



Tritanopia

44.3684, 56.1889, 82.6358

Trichromacy



Original Color

30.9272, 56.5968, 14.9245



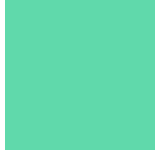
Protanomaly

38.9983, 53.4812, 13.1180



Deuteranomaly

41.3181, 52.4944, 15.1625



Tritanomaly

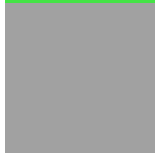
36.9874, 55.0528, 47.2049

Monochromacy



Original Color

30.9272, 56.5968, 14.9245



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.9976, 40.7685, 26.7101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9272, 56.5968, 14.9245 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(68, 227, 69)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 69)  
}
```

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(68, 227, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 69) }
```

Border

The CSS property to change the border of an element to XYZ 30.9272, 56.5968, 14.9245 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(68, 227, 69) }
```


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

```
.border{ border-color:rgb(68, 227, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 227, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 69);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9272, 56.5968, 14.9245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 69) }
```

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

```
.background{ background-color: rgb(68, 227,  
69) }
```

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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