

Converting Colors

XYZ(30.9453, 56.5857, 15.0481)

Have a look what the booklet for
XYZ(30.9453, 56.5857, 15.0481)
contains.

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Color

**XYZ(30.9585, 56.6093,
15.0894)**

Conversions

Conversions Part 1

Format	Color
Hex	44E346
RGB	68, 227, 70
RGB Percent	27%, 89%, 27%
CMY	0.7333, 0.1098, 0.7255
CMYK	0.70, 0.00, 0.69, 0.11
HSL	121°, 74%, 58%
HSV	121°, 70%, 89%
XYZ	30.9585, 56.6093, 15.0894
YIQ	161.5610, -44.3670, -82.5350

Conversions

Conversions Part 2

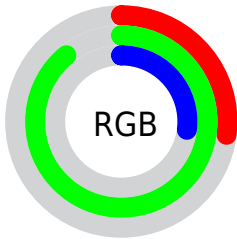
Format	Color
RYB	68, 225, 227
Decimal	4514630
CIELab	79.96, -69.60, 61.95
CIELCh	80, 93.174, 138.328
Yxy	56.6093, 0.3016, 0.5514
Android (android.graphics.Color)	4282704710 (0xFF44E346)
YUV	161.5610, -45.1396, -82.0530
Hunter-Lab	75.2392, -58.2215, 40.7766

Details

The XYZ color **30.9585, 56.6093, 15.0894** 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 **47.3376, 25.9022, 73.7385**, and the grayscale version is **34.3578, 36.1471, 39.3642**.

A 20% lighter version of the original color is **49.8424, 78.3447, 32.2337**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **29.0908, 55.7152, 11.9732**, and if you desaturate by 10%, it is **33.7054, 57.9295, 19.6268**.

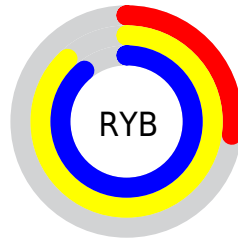
Distribution



Red (27%)

Green (89%)

Blue (27%)



Red (27%)

Yellow (88%)

Blue (89%)

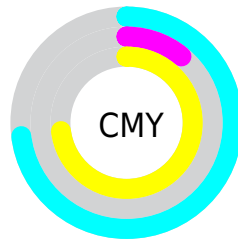


Cyan (70%)

Magenta (0%)

Yellow (69%)

Black (11%)



Cyan (73%)

Magenta (11%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9585, 56.6093, 15.0894 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 30.9585, 56.6093, 15.0894 by changing the saturation by 10% instead.

■ 30.9585, 56.6093,
15.0894

■ 30.9585, 56.6093,
15.0894

298.1774,
411.9837, 235.5661

■ 20.7189, 40.6916,
8.7348

■ 60.5510, 99.8949,
35.7545

■ 13.0300, 28.0782,
4.4742

■ 80.6347, 128.0316,
50.9020

■ 7.5263, 18.3846,
1.8889

■ 104.7304,
161.0101, 69.8177

■ 3.8426, 11.2265,
0.4857

■ 133.2035,
199.2148, 92.9200

■ 1.6135, 6.2194,
0.0000

■ 166.4194,
243.0302, 120.6274

■ 0.4012, 2.9789,
0.0000

204.7435,

■ 0.0000, 1.1207,

292.8405, 153.3585

0.0000

248.5410,
349.0302, 191.5319

■ 0.0000, 0.0000,
0.0000

■ 30.9585, 56.6093,
15.0894

■ 30.9585, 56.6093,
15.0894

■ 29.0908, 55.7152,
11.9732

■ 33.7054, 57.9295,
19.6268

■ 27.9919, 55.1888,
10.1069


■ 37.4171, 59.7118,
25.7231


■ 27.4859, 54.9467,
9.2393


■ 42.1734, 61.9965,
33.5042


■ 48.0449, 64.8175,
43.0819

■ 55.0959, 68.2057,
54.5587

 63.3860, 72.1898,
68.0292

 72.9705, 76.7965,
83.5817

 83.9017, 82.0509,
101.2993

 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.



43.1622, 56.6093, 6.2134



30.9585, 56.6093, 15.0894



25.4737, 56.6093, 42.8790

Triad

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



30.9585, 56.6093, 15.0894



46.7792, 56.6093, 230.2087



96.2300, 56.6093, 34.3482

Complementary

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



30.9585, 56.6093, 15.0894



47.3376, 25.9022, 73.7385

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.



97.8488, 56.6093, 85.1977



30.9585, 56.6093, 15.0894



66.0686, 56.6093, 222.7579

Square

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



30.9585, 56.6093, 15.0894



33.0698, 56.6093, 176.7349



85.7929, 56.6093, 160.0359



81.7828, 56.6093, 11.9850

Rectangle

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



30.9585, 56.6093, 15.0894



25.2505, 56.6093, 77.9846



85.7929, 56.6093, 160.0359



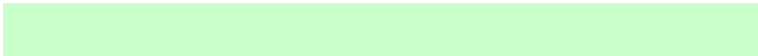
98.3989, 56.6093, 47.7518

Sweetspot

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



30.9598, 56.6117, 15.0907



70.6440, 88.2702, 69.2693



60.1935, 71.6893, 16.1339



14.5512, 18.6197, 13.8999



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.



30.9598, 56.6117, 15.0907



37.1118, 72.1654, 14.3073



35.1602, 58.2918, 37.2093



14.1967, 16.0921, 15.3005



16.0324, 32.0451, 5.4049



1.1873, 2.3691, 0.4132

Inverse Universe

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



47.3376, 25.9022, 73.7385



59.6443, 29.8794, 94.9683



39.0530, 22.5883, 30.1126



14.9869, 14.6119, 18.1313



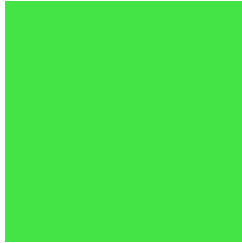
26.3362, 12.6687, 42.2612



1.9487, 0.9372, 3.1363

Previews

White Background



This preview shows how the XYZ color 30.9585, 56.6093, 15.0894 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 30.9585, 56.6093, 15.0894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

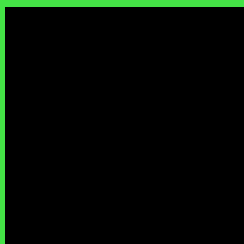
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9585, 56.6093, 15.0894

Background



This preview shows how black text looks on a background with the XYZ color 30.9585, 56.6093, 15.0894.



This preview shows how white text looks on a background with the XYZ color 30.9585, 56.6093,

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

30.9585, 56.6093, 15.0894

Protanopia

50.3510, 55.4959, 12.6154

Deuteranopia

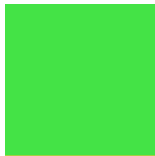
56.6788, 55.4138, 16.0962



Tritanopia

44.3684, 56.1889, 82.6358

Trichromacy



Original Color

30.9585, 56.6093, 15.0894



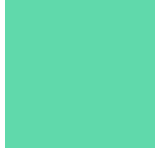
Protanomaly

39.0271, 53.4927, 13.2692



Deuteranomaly

41.3542, 52.5089, 15.3528



Tritanomaly

36.9874, 55.0528, 47.2049

Monochromacy



Original Color

30.9585, 56.6093, 15.0894



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.4234, 41.2920, 27.1355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9585, 56.6093, 15.0894 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 70) }
```

Border

The CSS property to change the border of an element to XYZ 30.9585, 56.6093, 15.0894 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, 70) }
```


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

```
.border{ border-color:rgb(68, 227, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 70);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9585, 56.6093, 15.0894 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, 70) }
```

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

```
.background{ background-color: rgb(68, 227,  
70) }
```

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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