

Converting Colors

XYZ(29.6662, 44.6015, 11.1447)

Have a look what the booklet for
XYZ(29.6662, 44.6015, 11.1447)
contains.

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Color

**XYZ(29.5826, 44.4627,
11.1607)**

Conversions

Conversions Part 1

Format	Color
Hex	81C43B
RGB	129, 196, 59
RGB Percent	51%, 77%, 23%
CMY	0.4941, 0.2314, 0.7686
CMYK	0.34, 0.00, 0.70, 0.23
HSL	89°, 54%, 50%
HSV	89°, 70%, 77%
XYZ	29.5826, 44.4627, 11.1607
YIQ	160.3490, 4.0450, -56.8110

Conversions

Conversions Part 2

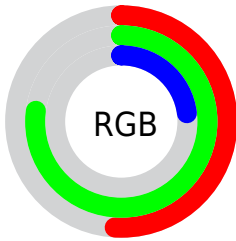
Format	Color
RYB	59, 196, 126
Decimal	8504379
CIELab	72.54, -42.78, 59.05
CIELCh	73, 72.916, 125.921
Yxy	44.4627, 0.3472, 0.5218
Android (android.graphics.Color)	4286694459 (0xFF81C43B)
YUV	160.3490, -49.9651, -27.4931
Hunter-Lab	66.6804, -37.4995, 36.7525

Details

The XYZ color **29.5826, 44.4627, 11.1607** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **20.1340, 11.5505, 53.3953**, and the grayscale version is **33.7983, 35.5584, 38.7231**.

A 20% lighter version of the original color is **58.4122, 81.9046, 28.6501**, and **12.4207, 20.7625, 3.3529** is the 20% darker color. If you saturate the color by 10%, you get **27.7784, 43.5822, 8.9029**, and if you desaturate by 10%, it is **31.7163, 45.4939, 14.4316**.

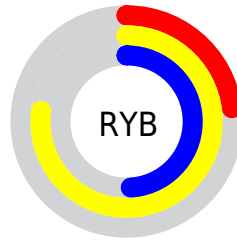
Distribution



Red (51%)

Green (77%)

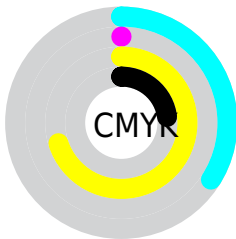
Blue (23%)



Red (23%)

Yellow (77%)

Blue (49%)

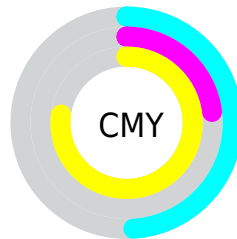


Cyan (34%)

Magenta (0%)

Yellow (70%)

Black (23%)



Cyan (49%)

Magenta (23%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5826, 44.4627, 11.1607 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 29.5826, 44.4627, 11.1607 by changing the saturation by 10% instead.

■ 29.5826, 44.4627,
11.1607

■ 29.5826, 44.4627,
11.1607

291.8988,
364.5931, 209.5436

■ 19.6685, 31.0344,
6.0595

■ 58.3926, 81.9135,
28.5981

■ 12.2612, 20.6251,
2.8119

■ 78.0192, 106.7049,
41.7714

■ 6.9953, 12.8502,
0.9994

■ 101.6141,
136.0528, 58.4725

■ 3.5054, 7.3255,
0.0000

■ 129.5425,
170.3415, 79.1199

■ 1.4263, 3.6665,
0.0000

■ 162.1698,
209.9555, 104.1322

■ 0.2749, 1.4888,
0.0000

199.8614,

■ 0.0000, 0.2808,

255.2792, 133.9279

0.0000

242.9826,
306.6969, 168.9255

■ 0.0000, 0.0000,
0.0000

■ 29.5826, 44.4627,
11.1607

■ 29.5826, 44.4627,
11.1607

■ 27.7784, 43.5822,
8.9029

■ 31.7163, 45.4939,
14.4316

■ 26.2743, 42.8354,
7.5360

■ 34.1991, 46.6794,
18.8138

■ 25.0242, 42.2052,
6.8334

■ 37.0525, 48.0298,
24.3970

■ 25.0120, 42.1991,
6.8270

■ 40.2948, 49.5526,
31.2610

■ 43.9431, 51.2553,
39.4787

■ 48.0132, 53.1444,
49.1175

■ 52.5203, 55.2264,
60.2403

■ 57.4784, 57.5071,
72.9064

■ 62.9009, 59.9924,
87.1716

Harmonies

Analogous

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



39.8107, 44.4627, 7.0004



29.5826, 44.4627, 11.1607



23.7781, 44.4627, 25.2650

Triad

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



29.5826, 44.4627, 11.1607



33.1275, 44.4627, 143.3888



71.2245, 44.4627, 41.6030

Complementary

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



29.5826, 44.4627, 11.1607



20.1340, 11.5505, 53.3953

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.



68.4588, 44.4627, 82.5925



29.5826, 44.4627, 11.1607



44.8088, 44.4627, 155.3966

Square

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



29.5826, 44.4627, 11.1607



25.5220, 44.4627, 101.5835



58.1243, 44.4627, 129.1305



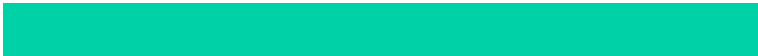
65.0698, 44.4627, 18.0523

Rectangle

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



29.5826, 44.4627, 11.1607



22.4103, 44.4627, 43.6429



58.1243, 44.4627, 129.1305



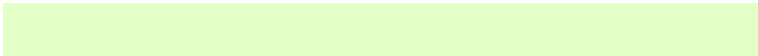
71.3206, 44.4627, 53.5172

Sweetspot

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



29.5836, 44.4646, 11.1617



78.6080, 92.3850, 69.2253



30.9172, 26.7754, 7.6770



16.4189, 19.5847, 13.8909



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.



29.5836, 44.4646, 11.1617



48.7783, 78.1853, 14.6000



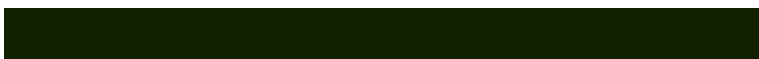
22.4727, 40.7988, 10.8289



10.4241, 11.5061, 10.7334



16.1703, 27.1649, 4.3911



0.7781, 1.2146, 0.1934

Inverse Universe

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



20.1340, 11.5505, 53.3953



30.6124, 14.8630, 95.8631



33.7050, 18.5466, 54.0304



9.9868, 9.9843, 12.6856



9.5911, 4.2048, 33.8627



0.4940, 0.2227, 1.4668

Previews

White Background



This preview shows how the XYZ color 29.5826, 44.4627, 11.1607 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 29.5826, 44.4627, 11.1607 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 29.5826, 44.4627, 11.1607

Background



This preview shows how black text looks on a background with the XYZ color 29.5826, 44.4627, 11.1607.



This preview shows how white text looks on a background with the XYZ color 29.5826, 44.4627,

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

29.5826, 44.4627, 11.1607

Protanopia

39.6767, 43.7164, 9.8369

Deuteranopia

44.5920, 43.6506, 11.7054



Tritanopia

39.3393, 44.2401, 59.8919

Trichromacy



Original Color

29.5826, 44.4627, 11.1607

Protanomaly

35.0879, 43.4507, 10.2789

Deuteranomaly

37.3680, 42.7872, 11.2903

Tritanomaly

34.2342, 43.7357, 34.2413

Monochromacy



Original Color

29.5826, 44.4627, 11.1607

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

30.9131, 37.7068, 24.3877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5826, 44.4627, 11.1607 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(129, 196, 59)` looks like.

```
.text, #text, p{  
    color:rgb(129, 196, 59)  
}
```

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(129, 196, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 196, 59) }
```

Border

The CSS property to change the border of an element to XYZ 29.5826, 44.4627, 11.1607 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(129, 196, 59) }
```


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

```
.border{ border-color:rgb(129, 196, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 196, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 196, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 196, 59);  
box-shadow:4px 4px 4px 4px rgb(129, 196,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5826, 44.4627, 11.1607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 196, 59) }
```

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

```
.background{ background-color: rgb(129,  
196, 59) }
```

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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