

Converting Colors

XYZ(29.2600, 35.8100, 11.8576)

Have a look what the booklet for
XYZ(29.2600, 35.8100, 11.8576)
contains.

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Color

**XYZ(29.1433, 35.6678,
11.8271)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA84A
RGB	157, 168, 74
RGB Percent	62%, 66%, 29%
CMY	0.3843, 0.3412, 0.7098
CMYK	0.07, 0.00, 0.56, 0.34
HSL	67°, 39%, 47%
HSV	67°, 56%, 66%
XYZ	29.1433, 35.6678, 11.8271
YIQ	153.9950, 23.6180, -31.5660

Conversions

Conversions Part 2

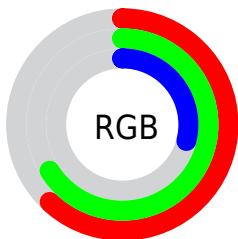
Format	Color
RYB	74, 168, 85
Decimal	10332234
CIELab	66.27, -17.43, 46.41
CIELCh	66, 49.576, 110.586
Yxy	35.6678, 0.3803, 0.4654
Android (android.graphics.Color)	4288522314 (0xFF9DA84A)
YUV	153.9950, -39.4375, 2.6354
Hunter-Lab	59.7225, -17.4103, 30.0643

Details

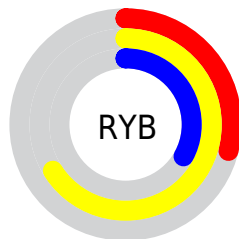
The XYZ color **29.1433, 35.6678, 11.8271** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.2642, 9.6569, 38.2128**, and the grayscale version is **30.8742, 32.4820, 35.3729**.

A 20% lighter version of the original color is **57.5941, 68.4278, 29.9110**, and **11.9743, 15.4285, 3.0564** is the 20% darker color. If you saturate the color by 10%, you get **28.2709, 35.2762, 9.2163**, and if you desaturate by 10%, it is **30.1747, 36.1263, 15.2357**.

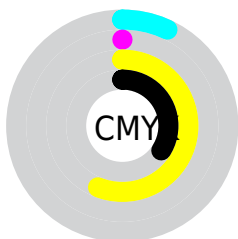
Distribution



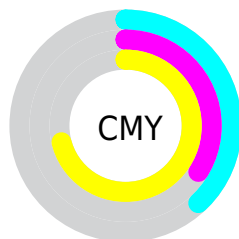
- Red (62%)
- Green (66%)
- Blue (29%)



- Red (29%)
- Yellow (66%)
- Blue (33%)



- Cyan (7%)
- Magenta (0%)
- Yellow (56%)
- Black (34%)



- Cyan (38%)
- Magenta (34%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1433, 35.6678, 11.8271 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 29.1433, 35.6678, 11.8271 by changing the saturation by 10% instead.

■ 29.1433, 35.6678,
11.8271

■ 29.1433, 35.6678,
11.8271

289.8725,
327.5062, 214.1944

■ 19.3341, 24.1777,
6.5049

■ 57.7007, 68.5190,
29.8395

■ 12.0174, 15.4655,
3.0808

■ 77.1795, 90.6490,
43.3668

■ 6.8278, 9.1467,
1.1360

■ 100.6123,
117.0943, 60.4662

■ 3.4000, 4.8370,
0.0000

■ 128.3644,
148.2395, 81.5564

■ 1.3687, 2.1520,
0.0000

■ 160.8011,
184.4689, 107.0557

■ 0.2337, 0.6936,
0.0000

198.2877,

■ 0.0000, 0.0000,

226.1669, 137.3828

0.0000

241.1898,
273.7179, 172.9562

■ 29.1433, 35.6678,
11.8271

■ 29.1433, 35.6678,
11.8271

■ 28.2709, 35.2762,
9.2163

■ 30.1747, 36.1263,
15.2357

■ 27.5427, 34.9416,
7.3362

■ 31.3737, 36.6513,
19.4978

■ 26.9451, 34.6600,
6.1125

■ 32.7510, 37.2484,
24.6665

■ 26.4593, 34.4238,
5.4452

■ 34.3158, 37.9212,
30.7900

■ 26.2771, 34.3342,
5.2422

■ 36.0767, 38.6731,
37.9131

■ 38.0416, 39.5074,
46.0779

■ 40.2182, 40.4270,
55.3239

■ 42.6135, 41.4350,
65.6886

■ 45.2344, 42.5338,
77.2077

Harmonies

Analogous

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



36.2806, 35.6678, 10.9224



29.1433, 35.6678, 11.8271



24.0596, 35.6678, 18.2939

Triad

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



29.1433, 35.6678, 11.8271



25.6508, 35.6678, 79.5581



49.9527, 35.6678, 45.8853

Complementary

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



29.1433, 35.6678, 11.8271



13.2642, 9.6569, 38.2128

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.



46.1159, 35.6678, 70.8544



29.1433, 35.6678, 11.8271



31.6281, 35.6678, 94.4557

Square

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



29.1433, 35.6678, 11.8271



22.2561, 35.6678, 54.9865



39.1506, 35.6678, 90.7933



49.0307, 35.6678, 26.2052

Rectangle

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



29.1433, 35.6678, 11.8271



22.1811, 35.6678, 26.8118



39.1506, 35.6678, 90.7933



49.1580, 35.6678, 54.0058

Sweetspot

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



29.1441, 35.6694, 11.8278



61.8607, 68.6352, 54.2538



20.6316, 15.3120, 8.3471



13.3615, 14.9074, 11.3450



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1441, 35.6694, 11.8278



50.9755, 63.8628, 15.8343



21.6745, 31.8187, 11.4783



8.0591, 8.7286, 8.0493



19.8702, 25.9407, 3.9598



0.5069, 0.6433, 0.0974

Inverse Universe

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



13.2642, 9.6569, 38.2128



19.3418, 11.9650, 68.5152



19.0283, 12.6284, 38.4826



7.2104, 7.3411, 9.4553



5.5742, 2.2570, 28.1173



0.1598, 0.0674, 0.6852

Previews

White Background



This preview shows how the XYZ color 29.1433, 35.6678, 11.8271 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 29.1433, 35.6678, 11.8271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

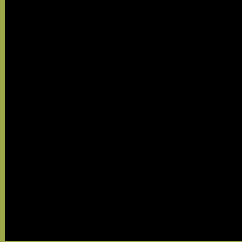
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1433, 35.6678, 11.8271

Background



This preview shows how black text looks on a background with the XYZ color 29.1433, 35.6678, 11.8271.



This preview shows how white text looks on a background with the XYZ color 29.1433, 35.6678,

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

29.1433, 35.6678, 11.8271

Protanopia

32.5050, 35.5413, 11.2779

Deuteranopia

36.0551, 35.3383, 12.1284



Tritanopia

35.4189, 35.5715, 43.0294

Trichromacy



Original Color

29.1433, 35.6678, 11.8271

Protanomaly

31.2726, 35.6899, 11.5439

Deuteranomaly

33.0949, 35.0568, 12.0435

Tritanomaly

32.3978, 35.3765, 28.0425

Monochromacy



Original Color

29.1433, 35.6678, 11.8271

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.6174, 33.2455, 24.2581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1433, 35.6678, 11.8271 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(157, 168, 74)` looks like.

```
.text, #text, p{  
    color:rgb(157, 168, 74)  
}
```

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(157, 168, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 168, 74) }
```

Border

The CSS property to change the border of an element to XYZ 29.1433, 35.6678, 11.8271 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(157, 168, 74) }
```


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

```
.border{ border-color:rgb(157, 168, 74) }
```

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

Here you see how a box with a 4 pixel rgb(157, 168, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 168, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 168, 74);  
box-shadow:4px 4px 4px 4px rgb(157, 168,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1433, 35.6678, 11.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 168, 74) }
```

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

```
.background{ background-color: rgb(157,  
168, 74) }
```

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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