

Converting Colors

XYZ(29.1632, 36.3516, 6.5164)

Have a look what the booklet for
XYZ(29.1632, 36.3516, 6.5164)
contains.

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Color

**XYZ(29.0698, 36.3022,
6.5118)**

Conversions

Conversions Part 1

Format	Color
Hex	A0AA1B
RGB	160, 170, 27
RGB Percent	63%, 67%, 11%
CMY	0.3726, 0.3333, 0.8941
CMYK	0.06, 0.00, 0.84, 0.33
HSL	64°, 73%, 39%
HSV	64°, 84%, 67%
XYZ	29.0698, 36.3022, 6.5118
YIQ	150.7080, 39.9430, -46.5930

Conversions

Conversions Part 2

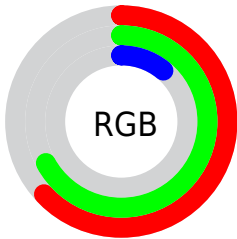
Format	Color
RYB	27, 170, 37
Decimal	10529307
CIELab	66.75, -19.80, 64.46
CIELCh	67, 67.434, 107.079
Yxy	36.3022, 0.4044, 0.5050
Android (android.graphics.Color)	4288719387 (0xFFA0AA1B)
YUV	150.7080, -60.9880, 8.1491
Hunter-Lab	60.2513, -19.3178, 35.7680

Details

The XYZ color **29.0698, 36.3022, 6.5118** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.4117, 4.0802, 38.3767**, and the grayscale version is **29.5321, 31.0701, 33.8353**.

A 20% lighter version of the original color is **57.5590, 69.4440, 19.3872**, and **12.1874, 15.8999, 2.4267** is the 20% darker color. If you saturate the color by 10%, you get **28.6909, 36.1246, 5.7480**, and if you desaturate by 10%, it is **29.5664, 36.5298, 7.8763**.

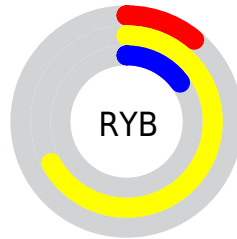
Distribution



Red (63%)

Green (67%)

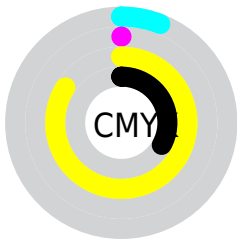
Blue (11%)



Red (11%)

Yellow (67%)

Blue (15%)

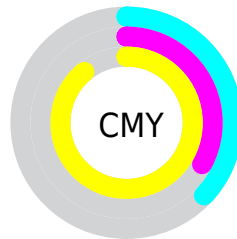


Cyan (6%)

Magenta (0%)

Yellow (84%)

Black (33%)



Cyan (37%)


Magenta (33%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0698, 36.3022, 6.5118 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 29.0698, 36.3022, 6.5118 by changing the saturation by 10% instead.


 29.0698, 36.3022,
6.5118


 29.0698, 36.3022,
6.5118


289.5324,
330.2795, 173.0172

 19.2782, 24.6677,
3.0849


 57.5848, 69.4982,
19.4800


 11.9767, 15.8296,
1.1382


 77.0388, 91.8286,
29.8584


 6.7999, 9.4037,
0.0000


 100.4444,
118.4929, 43.3911

 3.3825, 5.0054,
0.0000

 128.1668,
149.8758, 60.4965

 1.3591, 2.2504,
0.0000

 160.5715,
186.3614, 81.5933

 0.2268, 0.7473,
0.0000

 198.0237,

 0.0000, 0.0000,

228.3344, 107.1000

0.0000

240.8889,
276.1789, 137.4351

■ 29.0698, 36.3022,
6.5118

■ 29.0698, 36.3022,
6.5118

■ 28.6909, 36.1246,
5.7480

■ 29.5664, 36.5298,
7.8763

■ 28.4978, 36.0314,
5.4528

■ 30.1954, 36.8093,
9.9295

■ 30.9719, 37.1480,
12.7473

■ 31.9082, 37.5509,
16.3951

■ 33.0155, 38.0225,
20.9312

■ 34.3039, 38.5668,
26.4087

■ 35.7827, 39.1875,
32.8766

■ 37.4604, 39.8880,
40.3805

■ 39.3454, 40.6717,
48.9631

Harmonies

Analogous

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



39.0677, 36.3022, 6.2006



29.0698, 36.3022, 6.5118



22.0657, 36.3022, 12.3265

Triad

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



29.0698, 36.3022, 6.5118



22.8194, 36.3022, 96.4146



57.3094, 36.3022, 53.4304

Complementary

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



29.0698, 36.3022, 6.5118



8.4117, 4.0802, 38.3767

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.



50.9108, 36.3022, 91.2969



29.0698, 36.3022, 6.5118



30.3106, 36.3022, 123.1852

Square

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



29.0698, 36.3022, 6.5118



18.9743, 36.3022, 58.3783



40.5768, 36.3022, 120.9530



56.7955, 36.3022, 25.2455

Rectangle

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



29.0698, 36.3022, 6.5118



19.4358, 36.3022, 21.4705



40.5768, 36.3022, 120.9530



55.8498, 36.3022, 65.6194

Sweetspot

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



29.0706, 36.3039, 6.5125



61.9043, 69.8310, 46.4791



17.4238, 9.9205, 2.0339



13.6220, 15.4954, 9.5826



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.0706, 36.3039, 6.5125



51.6262, 65.3317, 9.8893



18.6907, 30.9529, 6.0268



8.0943, 8.7467, 8.0509



20.9815, 26.5136, 4.0118



0.5253, 0.6527, 0.0983

Inverse Universe

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



8.4117, 4.0802, 38.3767



13.3703, 5.3719, 69.3341



13.8374, 6.8773, 38.6306



7.1786, 7.3247, 9.4538



5.4669, 2.2017, 28.1123



0.1477, 0.0612, 0.6847

Previews

White Background



This preview shows how the XYZ color 29.0698, 36.3022, 6.5118 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 29.0698, 36.3022, 6.5118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

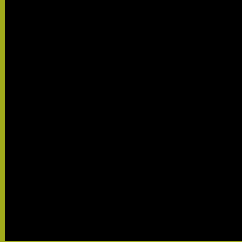
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0698, 36.3022, 6.5118

Background



This preview shows how black text looks on a background with the XYZ color 29.0698, 36.3022, 6.5118.



This preview shows how white text looks on a background with the XYZ color 29.0698, 36.3022,

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

29.0698, 36.3022, 6.5118

Protanopia

32.8011, 36.3319, 6.2036

Deuteranopia

36.7914, 36.0821, 6.7757



Tritanopia

36.5908, 36.1646, 43.5800

Trichromacy



Original Color

29.0698, 36.3022, 6.5118

Protanomaly

31.5019, 36.4610, 6.3546

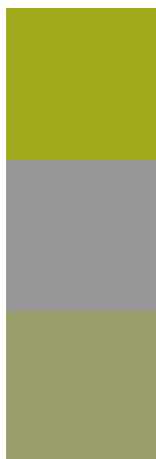
Deuteranomaly

33.5844, 35.9428, 6.6064

Tritanomaly

32.3986, 35.4974, 22.5969

Monochromacy



Original Color

29.0698, 36.3022, 6.5118

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.1548, 32.3644, 18.3987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0698, 36.3022, 6.5118 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(160, 170, 27)` looks like.

```
.text, #text, p{  
    color:rgb(160, 170, 27)  
}
```

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(160, 170, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 170, 27) }
```

Border

The CSS property to change the border of an element to XYZ 29.0698, 36.3022, 6.5118 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(160, 170, 27) }
```


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

```
.border{ border-color:rgb(160, 170, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 170, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 170, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 170, 27);  
box-shadow:4px 4px 4px 4px rgb(160, 170,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0698, 36.3022, 6.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 170, 27) }
```

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

```
.background{ background-color: rgb(160,  
170, 27) }
```

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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