

Converting Colors

$Y_{xy}(27.5188, 0.3630, 0.5298)$

Have a look what the booklet for
Yxy(27.5188, 0.3630, 0.5298)
contains.

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Color

Yxy(27.5872, 0.3625, 0.5306)

Conversions

Conversions Part 1

Format	Color
Hex	6F9D1E
RGB	111, 157, 30
RGB Percent	44%, 62%, 12%
CMY	0.5647, 0.3843, 0.8824
CMYK	0.29, 0.00, 0.81, 0.38
HSL	82°, 68%, 37%
HSV	82°, 81%, 62%
XYZ	18.8473, 27.5872, 5.5580
YIQ	128.7680, 13.3510, -49.2490

Conversions

Conversions Part 2

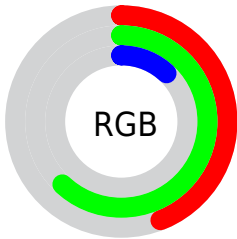
Format	Color
R_{YB}	30, 157, 76
Decimal	7314718
CIE _{Lab}	59.51, -33.92, 56.01
CIE _{LCh}	60, 65.478, 121.204
Yxy	27.5872, 0.3625, 0.5306
Android (android.graphics.Color)	4285504798 (0xFF6F9D1E)
YUV	128.7680, -48.6926, -15.5825
Hunter-Lab	52.5235, -27.8641, 30.4924

Details

The Yxy color **27.5872, 0.3625, 0.5306** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.8973, 0.2037, 0.1047**, and the grayscale version is **22.0379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8658, 0.3584, 0.4890**, and **10.9730, 0.3460, 0.5634** is the 20% darker color. If you saturate the color by 10%, you get **27.1701, 0.3608, 0.5446**, and if you desaturate by 10%, it is **28.0702, 0.3618, 0.5119**.

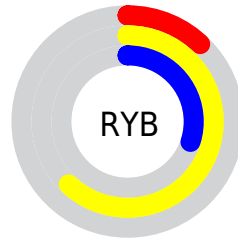
Distribution



Red (44%)

Green (62%)

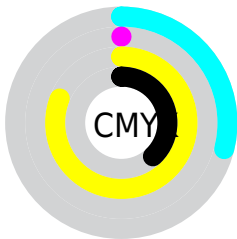
Blue (12%)



Red (12%)

Yellow (62%)

Blue (30%)

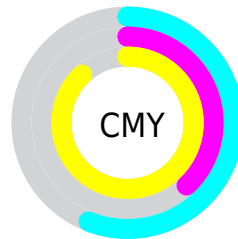


Cyan (29%)

Magenta (0%)

Yellow (81%)

Black (38%)



Cyan (56%)


Magenta (38%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5872, 0.3625, 0.5306 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 Yxy color 27.5872, 0.3625, 0.5306 by changing the saturation by 10% instead.


 27.5872, 0.3625,
0.5306


 27.5872, 0.3625,
0.5306


290.4891, 0.3441,
0.4190


 18.0147, 0.3623,
0.5596


 55.8247, 0.3587,
0.4885


 10.9606, 0.3580,
0.5959


 75.2585, 0.3563,
0.4730


 6.0403, 0.3497,
0.6503

 98.7482, 0.3539,
0.4601

 2.8696, 0.3095,
0.6905

 126.6782, 0.3516,
0.4492

 1.0640, 0.1398,
0.8602

 159.4329, 0.3495,
0.4400

 0.0000, 0.0000,
0.0000

 197.3967, 0.3475,

0.4320

240.9540, 0.3457,
0.4251

■ 27.5872, 0.3625,
0.5306

■ 27.5872, 0.3625,
0.5306

■ 27.1701, 0.3608,
0.5446

■ 28.0702, 0.3618,
0.5119

■ 26.8328, 0.3578,
0.5541

■ 28.6210, 0.3588,
0.4893

■ 29.2458, 0.3538,
0.4638

■ 29.9488, 0.3472,
0.4366

■ 30.7341, 0.3394,
0.4090

■ 31.6051, 0.3310,
0.3817

■ 32.5652, 0.3223,
0.3556

■ 33.6176, 0.3135,
0.3311

■ 34.7654, 0.3050,
0.3085

Harmonies

Analogous

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



27.5872, 0.4529, 0.4826



27.5872, 0.3625, 0.5306



27.5872, 0.2649, 0.4988

Triad

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



27.5872, 0.3625, 0.5306



27.5872, 0.1413, 0.2018



27.5872, 0.4449, 0.2701

Complementary

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



27.5872, 0.3625, 0.5306



4.8973, 0.2037, 0.1047

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.



27.5872, 0.3338, 0.2158



27.5872, 0.3625, 0.5306



27.5872, 0.1701, 0.1767

Square

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



27.5872, 0.3625, 0.5306



27.5872, 0.1450, 0.2688



27.5872, 0.2342, 0.1830



27.5872, 0.5152, 0.3366

Rectangle

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



27.5872, 0.3625, 0.5306



27.5872, 0.2084, 0.4264



27.5872, 0.2342, 0.1830



27.5872, 0.4096, 0.2502

Sweetspot

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



27.5884, 0.3625, 0.5306



56.0268, 0.3341, 0.3913



12.2181, 0.5268, 0.3873



12.2150, 0.3368, 0.4003



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.5884, 0.3625, 0.5306



48.1327, 0.3580, 0.5523



24.8622, 0.3101, 0.5685



7.6002, 0.3208, 0.3515



21.8137, 0.3583, 0.5537



0.4132, 0.3838, 0.5335

Inverse Universe

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



4.8973, 0.2037, 0.1047



6.1026, 0.1812, 0.0785



8.7608, 0.2911, 0.1498



6.5463, 0.3041, 0.3063



2.6995, 0.1805, 0.0768



0.0711, 0.2261, 0.1019

Previews

White Background



This preview shows how the Yxy color 27.5872, 0.3625, 0.5306 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.5872, 0.3625, 0.5306 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 × Fail

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

Yxy 27.5872, 0.3625, 0.5306

Background



This preview shows how black text looks on a background with the Yxy color 27.5872, 0.3625, 0.5306.



This preview shows how white text looks on a background with the Yxy color 27.5872, 0.3625, 0.5306.

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

27.5872, 0.3625, 0.5306

Protanopia

27.2966, 0.4339, 0.4793

Deuteranopia

27.3521, 0.4552, 0.4480



Tritanopia

27.4620, 0.2820, 0.3091

Trichromacy



Original Color

27.5872, 0.3625, 0.5306

Protanomaly

27.0986, 0.4072, 0.4989

Deuteranomaly

26.9501, 0.4199, 0.4788

Tritanomaly

27.0253, 0.3195, 0.3986

Monochromacy



Original Color

27.5872, 0.3625, 0.5306

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.3931, 0.3405, 0.4141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5872, 0.3625, 0.5306 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(111, 157, 30)` looks like.

```
.text, #text, p{  
    color:rgb(111, 157, 30)  
}
```

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(111, 157, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 157, 30) }
```

Border

The CSS property to change the border of an element to Yxy 27.5872, 0.3625, 0.5306 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(111, 157, 30) }
```

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

```
.border{ border-color:rgb(111, 157, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 157, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 157, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 157, 30);  
box-shadow:4px 4px 4px 4px rgb(111, 157,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5872, 0.3625, 0.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 157, 30) }
```

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

```
.background{ background-color: rgb(111,  
157, 30) }
```

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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