

Converting Colors

$Yxy(30.2687, 0.3273, 0.5431)$

Have a look what the booklet for
Yxy(30.2687, 0.3273, 0.5431)
contains.

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Color

Yxy(30.1184, 0.3276, 0.5421)

Conversions

Conversions Part 1

Format	Color
Hex	55A82C
RGB	85, 168, 44
RGB Percent	33%, 66%, 17%
CMY	0.6668, 0.3411, 0.8273
CMYK	0.49, 0.00, 0.74, 0.34
HSL	100°, 58%, 42%
HSV	100°, 74%, 66%
XYZ	18.2010, 30.1184, 7.2393
YIQ	129.0470, -9.6640, -56.1600

Conversions

Conversions Part 2

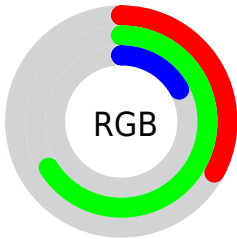
Format	Color
RYB	44, 168, 127
Decimal	5613612
CIELab	61.76, -46.96, 53.04
CIELCh	62, 70.840, 131.521
Yxy	30.1184, 0.3276, 0.5421
Android (android.graphics.Color)	4283803692 (0xFF55A82C)
YUV	129.0470, -41.9282, -38.6292
Hunter-Lab	54.8802, -36.8408, 30.5952

Details

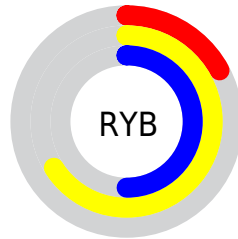
The Yxy color **30.1184, 0.3276, 0.5421** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.1490, 0.2622, 0.1434**, and the grayscale version is **22.1207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9439, 0.3308, 0.4955**, and **12.3999, 0.3068, 0.5946** is the 20% darker color. If you saturate the color by 10%, you get **29.5326, 0.3246, 0.5637**, and if you desaturate by 10%, it is **30.8417, 0.3290, 0.5154**.

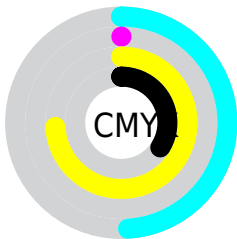
Distribution



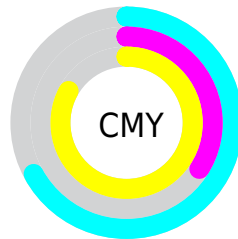
- Red (33%)
- Green (66%)
- Blue (17%)



- Red (17%)
- Yellow (66%)
- Blue (50%)



- Cyan (49%)
- Magenta (0%)
- Yellow (74%)
- Black (34%)





- Cyan (67%)
- Magenta (34%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1184, 0.3276, 0.5421 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 30.1184, 0.3276, 0.5421 by changing the saturation by 10% instead.


 30.1184, 0.3276,
0.5421


 30.1184, 0.3276,
0.5421

302.4560, 0.3279,
0.4219


 19.9285, 0.3230,
0.5751


 59.8494, 0.3305,
0.4957

 12.3431, 0.3136,
0.6177


 80.1592, 0.3307,
0.4790


 6.9778, 0.3006,
0.6876


 104.6111, 0.3305,
0.4653

 3.4482, 0.2550,
0.7450

 133.5895, 0.3301,
0.4537

 1.3700, 0.0621,
0.9379

 167.4788, 0.3296,
0.4440

 0.1944, 0.0000,
1.0000

 206.6634, 0.3290,

 0.0000, 0.0000,

0.4356

0.0000

251.5276, 0.3284,
0.4283

■ 30.1184, 0.3276,
0.5421

■ 30.1184, 0.3276,
0.5421

■ 29.5326, 0.3246,
0.5637

■ 30.8417, 0.3290,
0.5154

■ 29.0699, 0.3202,
0.5790

■ 31.7079, 0.3289,
0.4854

■ 28.8337, 0.3173,
0.5863

■ 32.7264, 0.3275,
0.4539

■ 33.9050, 0.3250,
0.4224

■ 35.2505, 0.3218,
0.3922

■ 36.7697, 0.3181,
0.3639

■ 38.4686, 0.3142,
0.3381

■ 40.3533, 0.3103,
0.3149

■ 42.4292, 0.3063,
0.2941

Harmonies

Analogous

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



30.1184, 0.4267, 0.5109



30.1184, 0.3276, 0.5421



30.1184, 0.2298, 0.4730

Triad

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



30.1184, 0.3276, 0.5421



30.1184, 0.1415, 0.1833



30.1184, 0.4844, 0.2898

Complementary

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



30.1184, 0.3276, 0.5421



9.1490, 0.2622, 0.1434

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.



30.1184, 0.3757, 0.2285



30.1184, 0.3276, 0.5421



30.1184, 0.1829, 0.1700

Square

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



30.1184, 0.3276, 0.5421



30.1184, 0.1335, 0.2354



30.1184, 0.2624, 0.1863



30.1184, 0.5321, 0.3603

Rectangle

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



30.1184, 0.3276, 0.5421



30.1184, 0.1792, 0.3844



30.1184, 0.2624, 0.1863



30.1184, 0.4525, 0.2679

Sweetspot

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



30.1197, 0.3276, 0.5421



64.3245, 0.3213, 0.3881



23.6044, 0.4521, 0.4418



13.8742, 0.3222, 0.3956



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.1197, 0.3276, 0.5421



52.9881, 0.3217, 0.5749



28.9225, 0.2928, 0.5297



8.5235, 0.3164, 0.3520



21.7971, 0.3180, 0.5857



0.5580, 0.3453, 0.5641

Inverse Universe

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



9.1490, 0.2622, 0.1434



12.7440, 0.2475, 0.1184



12.2466, 0.3518, 0.1928



7.5407, 0.3087, 0.3064



4.7918, 0.2405, 0.1098



0.1427, 0.2681, 0.1251

Previews

White Background



This preview shows how the Yxy color 30.1184, 0.3276, 0.5421 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 Yxy color 30.1184, 0.3276, 0.5421 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](#).

Yxy 30.1184, 0.3276, 0.5421

Background



This preview shows how black text looks on a background with the Yxy color 30.1184, 0.3276, 0.5421.



This preview shows how white text looks on a background with the Yxy color 30.1184, 0.3276, 0.5421.

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

30.1184, 0.3276, 0.5421

Protanopia

29.7484, 0.4271, 0.4734

Deuteranopia

29.6399, 0.4470, 0.4384



Tritanopia

30.0427, 0.2588, 0.3090

Trichromacy



Original Color

30.1184, 0.3276, 0.5421

Protanomaly

29.2554, 0.3870, 0.5008

Deuteranomaly

28.7618, 0.3994, 0.4775

Tritanomaly

29.5416, 0.2871, 0.3960

Monochromacy



Original Color

30.1184, 0.3276, 0.5421

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

24.0375, 0.3243, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1184, 0.3276, 0.5421 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(85, 168, 44)` looks like.

```
.text, #text, p{  
    color:rgb(85, 168, 44)  
}
```

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(85, 168, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 168, 44) }
```

Border

The CSS property to change the border of an element to Yxy 30.1184, 0.3276, 0.5421 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(85, 168, 44) }
```

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

```
.border{ border-color:rgb(85, 168, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 168, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 168, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 168, 44);  
box-shadow:4px 4px 4px 4px rgb(85, 168,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1184, 0.3276, 0.5421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 168, 44) }
```

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

```
.background{ background-color: rgb(85, 168,  
44) }
```

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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