

Converting Colors

$Yxy(27.8004, 0.3375, 0.5326)$

Have a look what the booklet for
Yxy(27.8004, 0.3375, 0.5326)
contains.

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Color

Yxy(27.6506, 0.3374, 0.5319)

Conversions

Conversions Part 1

Format	Color
Hex	5DA02C
RGB	93, 160, 44
RGB Percent	36%, 63%, 17%
CMY	0.6353, 0.3725, 0.8275
CMYK	0.42, 0.00, 0.73, 0.37
HSL	95°, 57%, 40%
HSV	95°, 73%, 63%
XYZ	17.5396, 27.6506, 6.7944
YIQ	126.7430, -2.6960, -50.2800

Conversions

Conversions Part 2

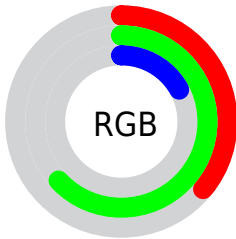
Format	Color
RYB	44, 160, 111
Decimal	6135852
CIELab	59.57, -41.08, 50.97
CIELCh	60, 65.461, 128.867
Yxy	27.6506, 0.3374, 0.5319
Android (android.graphics.Color)	4284325932 (0xFF5DA02C)
YUV	126.7430, -40.7923, -29.5926
Hunter-Lab	52.5838, -32.4822, 29.1478

Details

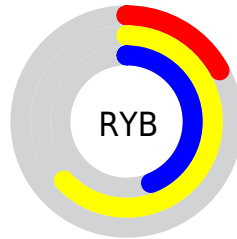
The Yxy color **27.6506, 0.3374, 0.5319** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.7181, 0.2485, 0.1390**, and the grayscale version is **21.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7598, 0.3378, 0.4871**, and **11.1002, 0.3203, 0.5839** is the 20% darker color. If you saturate the color by 10%, you get **27.1004, 0.3352, 0.5533**, and if you desaturate by 10%, it is **28.3079, 0.3377, 0.5060**.

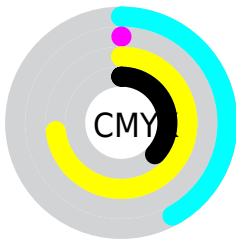
Distribution



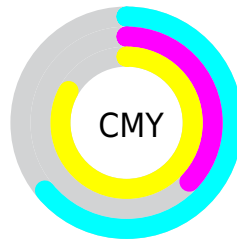
- Red (36%)
- Green (63%)
- Blue (17%)



- Red (17%)
- Yellow (63%)
- Blue (44%)



- Cyan (42%)
- Magenta (0%)
- Yellow (73%)
- Black (37%)



- Cyan (64%)
- Magenta (37%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6506, 0.3374, 0.5319 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 27.6506, 0.3374, 0.5319 by changing the saturation by 10% instead.


 27.6506, 0.3374,
0.5319


 27.6506, 0.3374,
0.5319


290.7936, 0.3316,
0.4168

 18.0624, 0.3345,
0.5638


 55.9261, 0.3379,
0.4873


 10.9948, 0.3272,
0.6053


 75.3823, 0.3372,
0.4713


 6.0634, 0.3198,
0.6801

 98.8966, 0.3363,
0.4581

 2.8836, 0.2716,
0.7284

 126.8533, 0.3353,
0.4471

 1.0713, 0.0041,
0.9959

 159.6370, 0.3344,
0.4378

 0.0000, 0.0000,
0.0000

 197.6321, 0.3334,

0.4298

241.2228, 0.3325,
0.4229

■ 27.6506, 0.3374,
0.5319

■ 27.6506, 0.3374,
0.5319

■ 27.1004, 0.3352,
0.5533

■ 28.3079, 0.3377,
0.5060

■ 26.6458, 0.3311,
0.5691

■ 29.0754, 0.3363,
0.4771

■ 26.3572, 0.3275,
0.5782

■ 29.9604, 0.3334,
0.4469

■ 30.9684, 0.3294,
0.4167

■ 32.1046, 0.3246,
0.3875

■ 33.3737, 0.3194,
0.3602

■ 34.7804, 0.3141,
0.3350

■ 36.3289, 0.3087,
0.3121

■ 38.0233, 0.3035,
0.2915

Harmonies

Analogous

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



27.6506, 0.4316, 0.4990



27.6506, 0.3374, 0.5319



27.6506, 0.2419, 0.4744

Triad

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



27.6506, 0.3374, 0.5319



27.6506, 0.1457, 0.1920



27.6506, 0.4687, 0.2864

Complementary

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



27.6506, 0.3374, 0.5319



7.7181, 0.2485, 0.1390

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.



27.6506, 0.3629, 0.2280



27.6506, 0.3374, 0.5319



27.6506, 0.1831, 0.1757

Square

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



27.6506, 0.3374, 0.5319



27.6506, 0.1409, 0.2470



27.6506, 0.2566, 0.1891



27.6506, 0.5214, 0.3547

Rectangle

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



27.6506, 0.3374, 0.5319



27.6506, 0.1908, 0.3934



27.6506, 0.2566, 0.1891



27.6506, 0.4369, 0.2654

Sweetspot

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



27.6518, 0.3374, 0.5319



58.3078, 0.3246, 0.3873



18.7498, 0.4641, 0.4245



12.6692, 0.3258, 0.3945



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.6518, 0.3374, 0.5319



48.6751, 0.3328, 0.5637



25.9235, 0.2987, 0.5444



7.5311, 0.3177, 0.3517



20.5558, 0.3281, 0.5777



0.3919, 0.3605, 0.5519

Inverse Universe

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



7.7181, 0.2485, 0.1390



10.3262, 0.2308, 0.1110



11.5506, 0.3317, 0.1817



6.6149, 0.3073, 0.3065



3.7922, 0.2201, 0.0986



0.0924, 0.2612, 0.1212

Previews

White Background



This preview shows how the Yxy color 27.6506, 0.3374, 0.5319 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 27.6506, 0.3374, 0.5319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

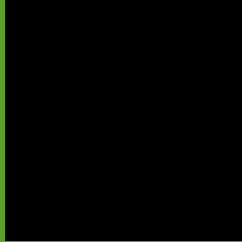
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6506, 0.3374, 0.5319

Background



This preview shows how black text looks on a background with the Yxy color 27.6506, 0.3374, 0.5319.



This preview shows how white text looks on a background with the Yxy color 27.6506, 0.3374, 0.5319.

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

27.6506, 0.3374, 0.5319

Protanopia

27.2717, 0.4263, 0.4707

Deuteranopia

27.3303, 0.4462, 0.4386



Tritanopia

27.4476, 0.2669, 0.3086

Trichromacy



Original Color

27.6506, 0.3374, 0.5319

Protanomaly

26.8892, 0.3919, 0.4947

Deuteranomaly

26.6841, 0.4032, 0.4732

Tritanomaly

27.0335, 0.2966, 0.3936

Monochromacy



Original Color

27.6506, 0.3374, 0.5319

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.9731, 0.3285, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6506, 0.3374, 0.5319 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(93, 160, 44)` looks like.

```
.text, #text, p{  
    color:rgb(93, 160, 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(93, 160, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 160, 44) }
```

Border

The CSS property to change the border of an element to Yxy 27.6506, 0.3374, 0.5319 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(93, 160, 44) }
```

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

```
.border{ border-color:rgb(93, 160, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 160, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 160, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 160, 44);  
box-shadow:4px 4px 4px 4px rgb(93, 160,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6506, 0.3374, 0.5319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 160, 44) }
```

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

```
.background{ background-color: rgb(93, 160,  
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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