

Converting Colors

$Yxy(27.3956, 0.3068, 0.4728)$

Have a look what the booklet for
Yxy(27.3956, 0.3068, 0.4728)
contains.

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Color

Yxy(27.3677, 0.3068, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	559F54
RGB	85, 159, 84
RGB Percent	33%, 62%, 33%
CMY	0.6665, 0.3765, 0.6706
CMYK	0.47, 0.00, 0.47, 0.38
HSL	119°, 31%, 48%
HSV	119°, 47%, 62%
XYZ	17.7476, 27.3677, 12.7323
YIQ	128.3240, -20.0290, -39.0130

Conversions

Conversions Part 2

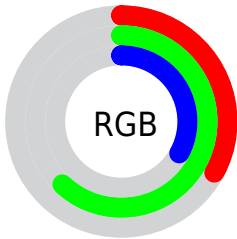
Format	Color
RYB	84, 159, 158
Decimal	5611348
CIELab	59.31, -38.84, 32.05
CIElCh	59, 50.357, 140.474
Yxy	27.3677, 0.3068, 0.4731
Android (android.graphics.Color)	4283801428 (0xFF559F54)
YUV	128.3240, -21.8517, -37.9951
Hunter-Lab	52.3141, -30.9934, 22.1899

Details

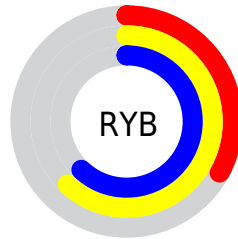
The Yxy color **27.3677, 0.3068, 0.4731** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.1051, 0.3165, 0.2168**, and the grayscale version is **21.7917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3314, 0.3102, 0.4393**, and **10.8896, 0.2969, 0.5339** is the 20% darker color. If you saturate the color by 10%, you get **26.4927, 0.3052, 0.5078**, and if you desaturate by 10%, it is **28.4641, 0.3083, 0.4382**.

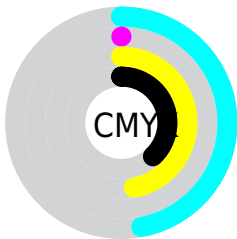
Distribution



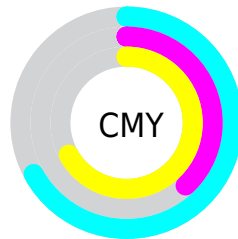
- Red (33%)
- Green (62%)
- Blue (33%)



- Red (33%)
- Yellow (62%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (47%)
- Black (38%)




- Cyan (67%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3677, 0.3068, 0.4731 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 27.3677, 0.3068, 0.4731 by changing the saturation by 10% instead.

 27.3677, 0.3068,
0.4731


 27.3677, 0.3068,
0.4731


289.4331, 0.3132,
0.3899


 17.8496, 0.3033,
0.4981


 55.4733, 0.3103,
0.4398

 10.8420, 0.2971,
0.5330


 74.8297, 0.3113,
0.4283

 5.9607, 0.2854,
0.5841

 98.2341, 0.3119,
0.4189

 2.8212, 0.2758,
0.7024

 126.0712, 0.3124,
0.4111

 1.0391, 0.0297,
0.9703

 158.7252, 0.3127,
0.4046

 0.0000, 0.0000,
0.0000

196.5806, 0.3129,

0.3990

240.0218, 0.3131,
0.3941

■ 27.3677, 0.3068,
0.4731

■ 27.3677, 0.3068,
0.4731

■ 26.4927, 0.3052,
0.5078

■ 28.4641, 0.3083,
0.4382

■ 25.8209, 0.3037,
0.5398

■ 29.7918, 0.3097,
0.4048

■ 25.3370, 0.3023,
0.5665


■ 31.3644, 0.3110,
0.3741


■ 25.0218, 0.3012,
0.5857

■ 33.1931, 0.3120,
0.3467

■ 24.8482, 0.3005,
0.5970


■ 35.2888, 0.3130,
0.3225

 24.8098, 0.3004,
0.5997

 37.6615, 0.3137,
0.3015

 40.3208, 0.3144,
0.2834

 43.2759, 0.3149,
0.2678

 46.5355, 0.3154,
0.2544

Harmonies

Analogous

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



27.3677, 0.3856, 0.4796



27.3677, 0.3068, 0.4731



27.3677, 0.2338, 0.4049

Triad

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



27.3677, 0.3068, 0.4731



27.3677, 0.1848, 0.2103



27.3677, 0.4561, 0.3194

Complementary

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



27.3677, 0.3068, 0.4731



16.1051, 0.3165, 0.2168

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.



27.3677, 0.3865, 0.2653



27.3677, 0.3068, 0.4731



27.3677, 0.2286, 0.2052

Square

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



27.3677, 0.3068, 0.4731



27.3677, 0.1704, 0.2449



27.3677, 0.3002, 0.2250



27.3677, 0.4783, 0.3794

Rectangle

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



27.3677, 0.3068, 0.4731



27.3677, 0.1985, 0.3431



27.3677, 0.3002, 0.2250



27.3677, 0.4370, 0.3003

Sweetspot

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



27.3689, 0.3068, 0.4731



57.0774, 0.3113, 0.3658



32.3781, 0.3815, 0.4398



12.7237, 0.3111, 0.3716



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.



27.3689, 0.3068, 0.4731



47.3238, 0.3051, 0.5108



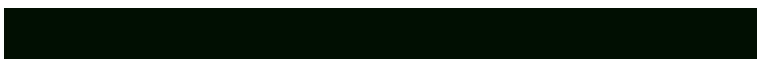
28.0417, 0.2790, 0.4021



7.4053, 0.3118, 0.3521



19.5979, 0.3004, 0.5997



0.3516, 0.3024, 0.5981

Inverse Universe

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



16.1051, 0.3165, 0.2168



24.5605, 0.3171, 0.1952



15.1335, 0.3713, 0.2672



6.7498, 0.3135, 0.3069



7.6209, 0.3175, 0.1523



0.1376, 0.3190, 0.1531

Previews

White Background



This preview shows how the Yxy color 27.3677, 0.3068, 0.4731 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 27.3677, 0.3068, 0.4731 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 27.3677, 0.3068, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 27.3677, 0.3068, 0.4731.



This preview shows how white text looks on a background with the Yxy color 27.3677, 0.3068, 0.4731.

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

27.3677, 0.3068, 0.4731

Protanopia

26.9640, 0.3941, 0.4292

Deuteranopia

27.0044, 0.4043, 0.3978



Tritanopia

27.1880, 0.2584, 0.3082

Trichromacy



Original Color

27.3677, 0.3068, 0.4731

Protanomaly

26.5048, 0.3580, 0.4467

Deuteranomaly

26.2265, 0.3644, 0.4238

Tritanomaly

26.9366, 0.2758, 0.3639

Monochromacy



Original Color

27.3677, 0.3068, 0.4731

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.0798, 0.3103, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3677, 0.3068, 0.4731 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, 159, 84)` looks like.

```
.text, #text, p{  
    color:rgb(85, 159, 84)  
}
```

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, 159, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 159, 84) }
```

Border

The CSS property to change the border of an element to Yxy 27.3677, 0.3068, 0.4731 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, 159, 84) }
```

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

```
.border{ border-color:rgb(85, 159, 84) }
```

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

Here you see how a box with a 4 pixel rgb(85, 159, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 159, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 159, 84);  
box-shadow:4px 4px 4px 4px rgb(85, 159,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3677, 0.3068, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 159, 84) }
```

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

```
.background{ background-color: rgb(85, 159,  
84) }
```

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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