

Converting Colors

$Y_{xy}(27.2135, 0.3092, 0.5157)$

Have a look what the booklet for
Yxy(27.2135, 0.3092, 0.5157)
contains.

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Color

Yxy(27.2376, 0.3094, 0.5156)

Conversions

Conversions Part 1

Format	Color
Hex	48A140
RGB	72, 161, 64
RGB Percent	28%, 63%, 25%
CMY	0.7175, 0.3686, 0.7491
CMYK	0.55, 0.00, 0.60, 0.37
HSL	115°, 43%, 44%
HSV	115°, 60%, 63%
XYZ	16.3447, 27.2376, 9.2447
YIQ	123.3310, -21.9070, -49.0350

Conversions

Conversions Part 2

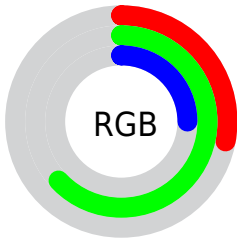
Format	Color
RYB	64, 161, 153
Decimal	4759872
CIELab	59.19, -46.06, 41.74
CIElCh	59, 62.163, 137.820
Yxy	27.2376, 0.3094, 0.5156
Android (android.graphics.Color)	4282949952 (0xFF48A140)
YUV	123.3310, -29.2502, -45.0173
Hunter-Lab	52.1897, -35.4295, 26.0303

Details

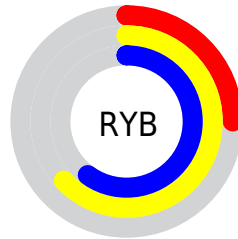
The Yxy color **27.2376, 0.3094, 0.5156** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.0065, 0.3078, 0.1871**, and the grayscale version is **20.0298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4527, 0.3140, 0.4730**, and **10.7470, 0.2970, 0.5892** is the 20% darker color. If you saturate the color by 10%, you get **26.5799, 0.3077, 0.5460**, and if you desaturate by 10%, it is **28.0868, 0.3108, 0.4820**.

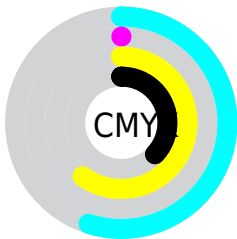
Distribution



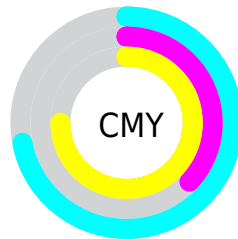
- Red (28%)
- Green (63%)
- Blue (25%)



- Red (25%)
- Yellow (63%)
- Blue (60%)



- Cyan (55%)
- Magenta (0%)
- Yellow (60%)
- Black (37%)




- Cyan (72%)
- Magenta (37%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2376, 0.3094, 0.5156 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 27.2376, 0.3094, 0.5156 by changing the saturation by 10% instead.

 27.2376, 0.3094,
0.5156


 27.2376, 0.3094,
0.5156


288.8057, 0.3168,
0.4074


 17.7517, 0.3042,
0.5476


 55.2649, 0.3142,
0.4725


 10.7719, 0.2947,
0.5914


 74.5751, 0.3153,
0.4575

 5.9137, 0.2775,
0.6559

 97.9290, 0.3160,
0.4452

 2.7927, 0.2430,
0.7570

 125.7108, 0.3164,
0.4350

 1.0245, 0.0000,
1.0000

 158.3050, 0.3166,
0.4265

 0.0000, 0.0000,
0.0000

196.0959, 0.3168,

0.4192

239.4680, 0.3168,
0.4129

■ 27.2376, 0.3094,
0.5156

■ 27.2376, 0.3094,
0.5156

■ 26.5799, 0.3077,
0.5460

■ 28.0868, 0.3108,
0.4820

■ 26.0957, 0.3057,
0.5707

■ 29.1371, 0.3118,
0.4476

■ 25.7693, 0.3036,
0.5880

■ 30.4016, 0.3124,
0.4141

■ 25.5777, 0.3021,
0.5983

■ 31.8913, 0.3127,
0.3830

■ 33.6163, 0.3128,
0.3547

■ 35.5864, 0.3127,
0.3296

■ 37.8105, 0.3125,
0.3076

■ 40.2973, 0.3122,
0.2884

■ 43.0549, 0.3118,
0.2718

Harmonies

Analogous

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



27.2376, 0.4029, 0.5082



27.2376, 0.3094, 0.5156



27.2376, 0.2216, 0.4347

Triad

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



27.2376, 0.3094, 0.5156



27.2376, 0.1588, 0.1891



27.2376, 0.4839, 0.3078

Complementary

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



27.2376, 0.3094, 0.5156



13.0065, 0.3078, 0.1871

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.



27.2376, 0.3934, 0.2472



27.2376, 0.3094, 0.5156



27.2376, 0.2054, 0.1821

Square

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



27.2376, 0.3094, 0.5156



27.2376, 0.1448, 0.2305



27.2376, 0.2871, 0.2028



27.2376, 0.5142, 0.3761

Rectangle

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



27.2376, 0.3094, 0.5156



27.2376, 0.1790, 0.3545



27.2376, 0.2871, 0.2028



27.2376, 0.4588, 0.2864

Sweetspot

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



27.2387, 0.3094, 0.5156



57.6739, 0.3128, 0.3773



30.7017, 0.4027, 0.4579



12.4739, 0.3127, 0.3855



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.



27.2387, 0.3094, 0.5156



47.3022, 0.3071, 0.5543



27.5870, 0.2777, 0.4408



7.9218, 0.3128, 0.3521



20.4365, 0.3024, 0.5981



0.4373, 0.3133, 0.5895

Inverse Universe

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



13.0065, 0.3078, 0.1871



19.5078, 0.3056, 0.1657



12.6130, 0.3845, 0.2430



7.1722, 0.3125, 0.3068



7.0654, 0.3005, 0.1429



0.1566, 0.3084, 0.1473

Previews

White Background



This preview shows how the Yxy color 27.2376, 0.3094, 0.5156 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 27.2376, 0.3094, 0.5156 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 27.2376, 0.3094, 0.5156

Background



This preview shows how black text looks on a background with the Yxy color 27.2376, 0.3094, 0.5156.



This preview shows how white text looks on a background with the Yxy color 27.2376, 0.3094, 0.5156.

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

27.2376, 0.3094, 0.5156

Protanopia

26.9206, 0.4133, 0.4535

Deuteranopia

26.7945, 0.4267, 0.4190



Tritanopia

27.1572, 0.2529, 0.3080

Trichromacy



Original Color

27.2376, 0.3094, 0.5156



Protanomaly

26.3332, 0.3698, 0.4793



Deuteranomaly

25.6946, 0.3780, 0.4546



Tritanomaly

26.9534, 0.2746, 0.3818

Monochromacy



Original Color

27.2376, 0.3094, 0.5156



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.7937, 0.3116, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2376, 0.3094, 0.5156 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(72, 161, 64)` looks like.

```
.text, #text, p{  
    color:rgb(72, 161, 64)  
}
```

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(72, 161, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 161, 64) }
```

Border

The CSS property to change the border of an element to Yxy 27.2376, 0.3094, 0.5156 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(72, 161, 64) }
```

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

```
.border{ border-color:rgb(72, 161, 64) }
```

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

Here you see how a box with a 4 pixel rgb(72, 161, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 161, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 161, 64);  
box-shadow:4px 4px 4px 4px rgb(72, 161,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2376, 0.3094, 0.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 161, 64) }
```

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

```
.background{ background-color: rgb(72, 161,  
64) }
```

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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