

Converting Colors

$Y_{xy}(30.5490, 0.2951, 0.4360)$

Have a look what the booklet for
Yxy(30.5490, 0.2951, 0.4360)
contains.

Yxy(30.6093, 0.2956, 0.4370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.6093, 0.2956, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	5CA66B
RGB	92, 166, 107
RGB Percent	36%, 65%, 42%
CMY	0.6392, 0.3490, 0.5803
CMYK	0.45, 0.00, 0.36, 0.35
HSL	132°, 29%, 51%
HSV	132°, 45%, 65%
XYZ	20.7051, 30.6093, 18.7298
YIQ	137.1480, -25.1650, -34.0370

Conversions

Conversions Part 2

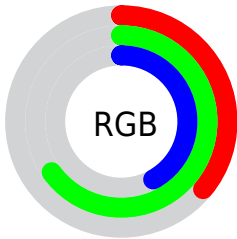
Format	Color
RYB	92, 154, 166
Decimal	6071915
CIELab	62.18, -36.12, 23.56
CIElCh	62, 43.121, 146.886
Yxy	30.6093, 0.2956, 0.4370
Android (android.graphics.Color)	4284261995 (0xFF5CA66B)
YUV	137.1480, -14.8630, -39.5948
Hunter-Lab	55.3257, -30.0182, 18.6561

Details

The Yxy color **30.6093, 0.2956, 0.4370** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.9981, 0.3372, 0.2414**, and the grayscale version is **25.1416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8567, 0.3003, 0.4131**, and **12.5381, 0.2861, 0.4786** is the 20% darker color. If you saturate the color by 10%, you get **29.5895, 0.2929, 0.4664**, and if you desaturate by 10%, it is **31.8616, 0.2990, 0.4088**.

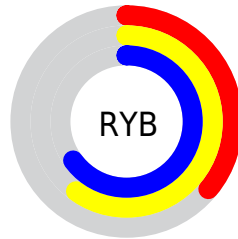
Distribution



Red (36%)

Green (65%)

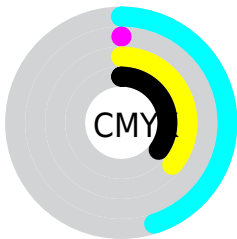
Blue (42%)



Red (36%)

Yellow (60%)

Blue (65%)

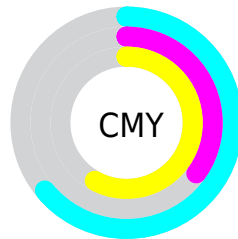


Cyan (45%)

Magenta (0%)

Yellow (36%)

Black (35%)



Cyan (64%)


Magenta (35%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6093, 0.2956, 0.4370 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 30.6093, 0.2956, 0.4370 by changing the saturation by 10% instead.

 30.6093, 0.2956,
0.4370


 30.6093, 0.2956,
0.4370


304.7343, 0.3066,
0.3760

 20.3015, 0.2918,
0.4550


 60.6244, 0.3003,
0.4129


 12.6144, 0.2861,
0.4799


 81.1006, 0.3018,
0.4045

 7.1636, 0.2767,
0.5165


 105.7349, 0.3030,
0.3975

 3.5646, 0.2597,
0.5747

 134.9120, 0.3040,
0.3918

 1.4331, 0.2180,
0.7820

169.0160, 0.3048,
0.3869

 0.2409, 0.0000,
1.0000

208.4315, 0.3055,

 0.0000, 0.0000,

0.3827

0.0000

253.5428, 0.3061,
0.3791

■ 30.6093, 0.2956,
0.4370

■ 30.6093, 0.2956,
0.4370

■ 29.5895, 0.2929,
0.4664

■ 31.8616, 0.2990,
0.4088

■ 28.7841, 0.2911,
0.4959

■ 33.3556, 0.3028,
0.3827

■ 28.1785, 0.2905,
0.5240


■ 35.1048, 0.3068,
0.3590


■ 27.7544, 0.2912,
0.5490

■ 37.1203, 0.3109,
0.3378


■ 27.4899, 0.2930,
0.5694

■ 39.4127, 0.3149,
0.3192

 27.3863, 0.2940,
0.5784

 41.9920, 0.3187,
0.3029

 44.8678, 0.3223,
0.2887

 48.0490, 0.3257,
0.2764

 51.5444, 0.3289,
0.2657

Harmonies

Analogous

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



30.6093, 0.3626, 0.4562



30.6093, 0.2956, 0.4370



30.6093, 0.2368, 0.3754

Triad

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



30.6093, 0.2956, 0.4370



30.6093, 0.2100, 0.2256



30.6093, 0.4388, 0.3338

Complementary

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



30.6093, 0.2956, 0.4370



17.9981, 0.3372, 0.2414

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.



30.6093, 0.3884, 0.2849



30.6093, 0.2956, 0.4370



30.6093, 0.2536, 0.2254

Square

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



30.6093, 0.2956, 0.4370



30.6093, 0.1919, 0.2510



30.6093, 0.3181, 0.2466



30.6093, 0.4492, 0.3859

Rectangle

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



30.6093, 0.2956, 0.4370



30.6093, 0.2096, 0.3264



30.6093, 0.3181, 0.2466



30.6093, 0.4258, 0.3168

Sweetspot

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



30.6106, 0.2956, 0.4370



64.1690, 0.3074, 0.3560



34.6445, 0.3622, 0.4423



14.1956, 0.3065, 0.3608



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.



30.6106, 0.2956, 0.4370



53.7991, 0.2930, 0.4647



31.5564, 0.2689, 0.3678



8.4317, 0.3090, 0.3475



21.2421, 0.2936, 0.5771



0.5236, 0.2775, 0.5191

Inverse Universe

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



17.9981, 0.3372, 0.2414



28.0620, 0.3439, 0.2247



16.9834, 0.3920, 0.2946



7.6402, 0.3167, 0.3112



7.5926, 0.3788, 0.1860



0.1912, 0.3565, 0.1737

Previews

White Background



This preview shows how the Yxy color 30.6093, 0.2956, 0.4370 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 30.6093, 0.2956, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

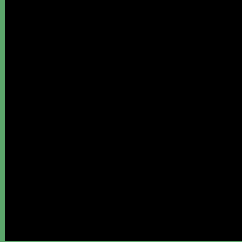
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6093, 0.2956, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 30.6093, 0.2956, 0.4370.



This preview shows how white text looks on a background with the Yxy color 30.6093, 0.2956, 0.4370.

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

30.6093, 0.2956, 0.4370

Protanopia

30.0964, 0.3755, 0.4043

Deuteranopia

30.0449, 0.3821, 0.3746



Tritanopia

30.4582, 0.2577, 0.3075

Trichromacy



Original Color

30.6093, 0.2956, 0.4370

Protanomaly

29.7403, 0.3424, 0.4159

Deuteranomaly

29.2787, 0.3459, 0.3962

Tritanomaly

30.3946, 0.2712, 0.3514

Monochromacy



Original Color

30.6093, 0.2956, 0.4370

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.7511, 0.3058, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6093, 0.2956, 0.4370 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(92, 166, 107)` looks like.

```
.text, #text, p{  
    color:rgb(92, 166, 107)  
}
```

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(92, 166, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 166, 107) }
```

Border

The CSS property to change the border of an element to Yxy 30.6093, 0.2956, 0.4370 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(92, 166, 107) }
```

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

```
.border{ border-color:rgb(92, 166, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 166, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 166, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 166, 107);  
box-shadow:4px 4px 4px 4px rgb(92, 166,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6093, 0.2956, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 166, 107) }
```

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

```
.background{ background-color: rgb(92, 166,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor