

Converting Colors

$Yxy(31.0447, 0.3044, 0.4645)$

Have a look what the booklet for
Yxy(31.0447, 0.3044, 0.4645)
contains.

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Color

Yxy(31.0376, 0.3041, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	5BA85E
RGB	91, 168, 94
RGB Percent	36%, 66%, 37%
CMY	0.6431, 0.3412, 0.6315
CMYK	0.46, 0.00, 0.44, 0.34
HSL	122°, 31%, 51%
HSV	122°, 46%, 66%
XYZ	20.3373, 31.0376, 15.5021
YIQ	136.5410, -22.1380, -39.3380

Conversions

Conversions Part 2

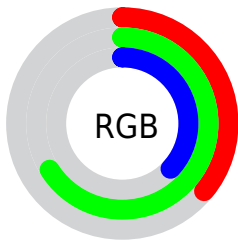
Format	Color
RYB	91, 165, 168
Decimal	6006878
CIELab	62.54, -39.47, 30.98
CIElCh	63, 50.179, 141.875
Yxy	31.0376, 0.3041, 0.4641
Android (android.graphics.Color)	4284196958 (0xFF5BA85E)
YUV	136.5410, -20.9727, -39.9395
Hunter-Lab	55.7114, -32.3340, 22.5001

Details

The Yxy color **31.0376, 0.3041, 0.4641** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.5276, 0.3215, 0.2232**, and the grayscale version is **24.9216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3754, 0.3078, 0.4348**, and **12.8160, 0.2950, 0.5167** is the 20% darker color. If you saturate the color by 10%, you get **30.0182, 0.3023, 0.4983**, and if you desaturate by 10%, it is **32.3114, 0.3060, 0.4302**.

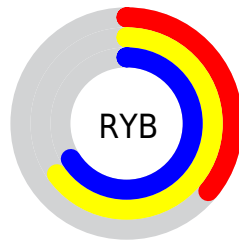
Distribution



Red (36%)

Green (66%)

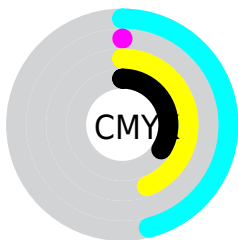
Blue (37%)



Red (36%)

Yellow (65%)

Blue (66%)

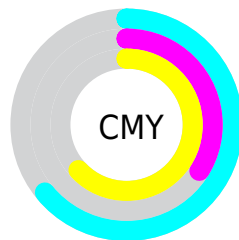


Cyan (46%)

Magenta (0%)

Yellow (44%)

Black (34%)



Cyan (64%)


Magenta (34%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0376, 0.3041, 0.4641 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 31.0376, 0.3041, 0.4641 by changing the saturation by 10% instead.

 31.0376, 0.3041,
0.4641


 31.0376, 0.3041,
0.4641


306.7115, 0.3115,
0.3876

 20.6275, 0.3007,
0.4865


 61.2993, 0.3078,
0.4339

 12.8520, 0.2952,
0.5173


 81.9196, 0.3089,
0.4233

 7.3267, 0.2852,
0.5619


 106.7121, 0.3096,
0.4146

 3.6672, 0.2680,
0.6364

 136.0612, 0.3102,
0.4074

 1.4892, 0.1928,
0.8072

170.3513, 0.3107,
0.4013

 0.2811, 0.0000,
1.0000

209.9668, 0.3110,

 0.0000, 0.0000,

0.3961

0.0000

255.2921, 0.3113,
0.3915

■ 31.0376, 0.3041,
0.4641

■ 31.0376, 0.3041,
0.4641

■ 30.0182, 0.3023,
0.4983

■ 32.3114, 0.3060,
0.4302

■ 29.2326, 0.3009,
0.5307

■ 33.8510, 0.3080,
0.3981

■ 28.6633, 0.2999,
0.5587


■ 35.6716, 0.3099,
0.3688

■ 28.2888, 0.2994,
0.5801

■ 37.7862, 0.3117,
0.3427

■ 28.0813, 0.2994,
0.5936


■ 40.2071, 0.3134,
0.3198

 28.0206, 0.2992,
0.5973

 42.9458, 0.3149,
0.2999

 46.0132, 0.3163,
0.2828

 49.4197, 0.3175,
0.2681

 53.1752, 0.3186,
0.2554

Harmonies

Analogous

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



31.0376, 0.3800, 0.4741



31.0376, 0.3041, 0.4641



31.0376, 0.2346, 0.3973

Triad

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



31.0376, 0.3041, 0.4641



31.0376, 0.1909, 0.2140



31.0376, 0.4519, 0.3230

Complementary

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



31.0376, 0.3041, 0.4641



18.5276, 0.3215, 0.2232

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.



31.0376, 0.3871, 0.2701



31.0376, 0.3041, 0.4641



31.0376, 0.2346, 0.2101

Square

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



31.0376, 0.3041, 0.4641



31.0376, 0.1756, 0.2464



31.0376, 0.3047, 0.2302



31.0376, 0.4712, 0.3812

Rectangle

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



31.0376, 0.3041, 0.4641



31.0376, 0.2012, 0.3388



31.0376, 0.3047, 0.2302



31.0376, 0.4344, 0.3044

Sweetspot

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



31.0389, 0.3041, 0.4641



65.2952, 0.3102, 0.3645



36.8082, 0.3766, 0.4400



14.0690, 0.3098, 0.3702



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.



31.0389, 0.3041, 0.4641



54.4405, 0.3023, 0.4989



31.8992, 0.2769, 0.3928



8.4122, 0.3111, 0.3514



21.1609, 0.2991, 0.5968



0.5163, 0.2952, 0.5825

Inverse Universe

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



18.5276, 0.3215, 0.2232



28.8596, 0.3236, 0.2032



17.3403, 0.3752, 0.2743



7.6616, 0.3143, 0.3076



8.2459, 0.3306, 0.1595



0.2021, 0.3271, 0.1576

Previews

White Background



This preview shows how the Yxy color 31.0376, 0.3041, 0.4641 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 31.0376, 0.3041, 0.4641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

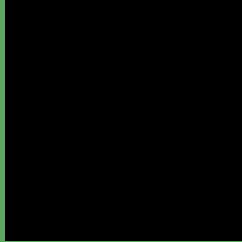
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0376, 0.3041, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 31.0376, 0.3041, 0.4641.



This preview shows how white text looks on a background with the Yxy color 31.0376, 0.3041, 0.4641.

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

31.0376, 0.3041, 0.4641

Protanopia

30.5001, 0.3905, 0.4232

Deuteranopia

30.5699, 0.3987, 0.3920



Tritanopia

30.9006, 0.2580, 0.3077

Trichromacy



Original Color

31.0376, 0.3041, 0.4641

Protanomaly

30.2554, 0.3541, 0.4393

Deuteranomaly

29.9602, 0.3597, 0.4176

Tritanomaly

30.6210, 0.2743, 0.3602

Monochromacy



Original Color

31.0376, 0.3041, 0.4641

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5534, 0.3094, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0376, 0.3041, 0.4641 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(91, 168, 94)` looks like.

```
.text, #text, p{  
    color:rgb(91, 168, 94)  
}
```

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(91, 168, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 168, 94) }
```

Border

The CSS property to change the border of an element to Yxy 31.0376, 0.3041, 0.4641 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(91, 168, 94) }
```

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

```
.border{ border-color:rgb(91, 168, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 168, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 168, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 168, 94);  
box-shadow:4px 4px 4px 4px rgb(91, 168,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0376, 0.3041, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 168, 94) }
```

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

```
.background{ background-color: rgb(91, 168,  
94) }
```

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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