

Converting Colors

$Yxy(30.6810, 0.3076, 0.4832)$

Have a look what the booklet for
Yxy(30.6810, 0.3076, 0.4832)
contains.

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Color

Yxy(30.6716, 0.3077, 0.4831)

Conversions

Conversions Part 1

Format	Color
Hex	57A854
RGB	87, 168, 84
RGB Percent	34%, 66%, 33%
CMY	0.6587, 0.3412, 0.6705
CMYK	0.48, 0.00, 0.50, 0.34
HSL	118°, 33%, 49%
HSV	118°, 50%, 66%
XYZ	19.5356, 30.6716, 13.2819
YIQ	134.2050, -21.3120, -43.2960

Conversions

Conversions Part 2

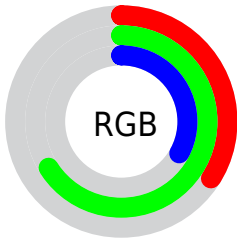
Format	Color
RYB	84, 168, 165
Decimal	5744724
CIELab	62.23, -42.12, 35.69
CIELCh	62, 55.207, 139.725
Yxy	30.6716, 0.3077, 0.4831
Android (android.graphics.Color)	4283934804 (0xFF57A854)
YUV	134.2050, -24.7511, -41.3988
Hunter-Lab	55.3819, -33.9537, 24.5482

Details

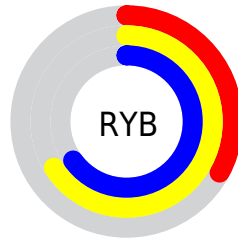
The Yxy color **30.6716, 0.3077, 0.4831** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.1699, 0.3144, 0.2096**, and the grayscale version is **24.0216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8114, 0.3115, 0.4490**, and **12.6297, 0.2979, 0.5442** is the 20% darker color. If you saturate the color by 10%, you get **29.7460, 0.3062, 0.5172**, and if you desaturate by 10%, it is **31.8379, 0.3091, 0.4481**.

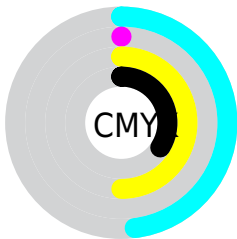
Distribution



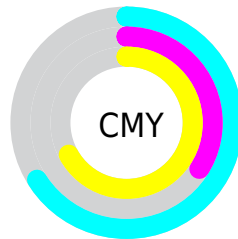
- Red (34%)
- Green (66%)
- Blue (33%)



- Red (33%)
- Yellow (66%)
- Blue (65%)



- Cyan (48%)
- Magenta (0%)
- Yellow (50%)
- Black (34%)





- Cyan (66%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6716, 0.3077, 0.4831 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 30.6716, 0.3077, 0.4831 by changing the saturation by 10% instead.


 30.6716, 0.3077,
0.4831


 30.6716, 0.3077,
0.4831


305.0225, 0.3141,
0.3955

 20.3489, 0.3041,
0.5087


 60.7227, 0.3113,
0.4485

 12.6489, 0.2978,
0.5437

 81.2198, 0.3123,
0.4364


 7.1872, 0.2861,
0.5937


 105.8773, 0.3129,
0.4264

 3.5795, 0.2716,
0.6927

 135.0794, 0.3133,
0.4182

 1.4412, 0.1521,
0.8479

 169.2106, 0.3136,
0.4112

 0.2468, 0.0000,
1.0000


208.6552, 0.3139,


 0.0000, 0.0000,

0.4052


0.0000

253.7978, 0.3140,
0.4000

 30.6716, 0.3077,
0.4831


 30.6716, 0.3077,
0.4831


 29.7460, 0.3062,
0.5172


 31.8379, 0.3091,
0.4481


 29.0407, 0.3046,
0.5479


 33.2560, 0.3103,
0.4141


 28.5386, 0.3030,
0.5726


 34.9407, 0.3113,
0.3826


 28.2181, 0.3016,
0.5895

 36.9047, 0.3121,
0.3541

 28.0440, 0.3009,
0.5993

 39.1600, 0.3127,
0.3290

 28.0438, 0.3009,
0.5993

 41.7177, 0.3132,
0.3070

 44.5884, 0.3136,
0.2880

 47.7822, 0.3138,
0.2716

 51.3087, 0.3140,
0.2575

Harmonies

Analogous

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



30.6716, 0.3901, 0.4868



30.6716, 0.3077, 0.4831



30.6716, 0.2311, 0.4118

Triad

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



30.6716, 0.3077, 0.4831



30.6716, 0.1784, 0.2051



30.6716, 0.4627, 0.3166

Complementary

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



30.6716, 0.3077, 0.4831



17.1699, 0.3144, 0.2096

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.



30.6716, 0.3882, 0.2609



30.6716, 0.3077, 0.4831



30.6716, 0.2229, 0.1995

Square

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



30.6716, 0.3077, 0.4831



30.6716, 0.1641, 0.2415



30.6716, 0.2970, 0.2195



30.6716, 0.4870, 0.3789

Rectangle

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



30.6716, 0.3077, 0.4831



30.6716, 0.1939, 0.3459



30.6716, 0.2970, 0.2195



30.6716, 0.4422, 0.2970

Sweetspot

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



30.6729, 0.3077, 0.4831



65.0204, 0.3117, 0.3688



35.4447, 0.3872, 0.4429



14.0180, 0.3115, 0.3746



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.



30.6729, 0.3077, 0.4831



53.8170, 0.3060, 0.5208



31.2913, 0.2794, 0.4132



8.4201, 0.3121, 0.3523



21.1826, 0.3010, 0.5992



0.5193, 0.3056, 0.5956

Inverse Universe

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



17.1699, 0.3144, 0.2096



26.4495, 0.3142, 0.1881



16.2860, 0.3723, 0.2595



7.6527, 0.3132, 0.3067



7.9399, 0.3122, 0.1493



0.1972, 0.3152, 0.1510

Previews

White Background



This preview shows how the Yxy color 30.6716, 0.3077, 0.4831 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 30.6716, 0.3077, 0.4831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

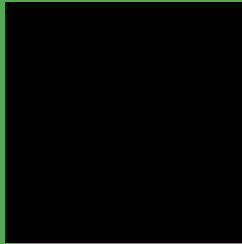
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6716, 0.3077, 0.4831

Background



This preview shows how black text looks on a background with the Yxy color 30.6716, 0.3077, 0.4831.



This preview shows how white text looks on a background with the Yxy color 30.6716, 0.3077, 0.4831.

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

30.6716, 0.3077, 0.4831

Protanopia

30.3621, 0.3985, 0.4352

Deuteranopia

30.2069, 0.4107, 0.4038



Tritanopia

30.3973, 0.2570, 0.3075

Trichromacy



Original Color

30.6716, 0.3077, 0.4831

Protanomaly

30.0115, 0.3612, 0.4550

Deuteranomaly

29.3641, 0.3681, 0.4320

Tritanomaly

30.3014, 0.2758, 0.3695

Monochromacy



Original Color

30.6716, 0.3077, 0.4831

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.6006, 0.3112, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6716, 0.3077, 0.4831 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(87, 168, 84)` looks like.

```
.text, #text, p{  
    color:rgb(87, 168, 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(87, 168, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 168, 84) }
```

Border

The CSS property to change the border of an element to Yxy 30.6716, 0.3077, 0.4831 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(87, 168, 84) }
```

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

```
.border{ border-color:rgb(87, 168, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 168, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 168, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 168, 84);  
box-shadow:4px 4px 4px 4px rgb(87, 168,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6716, 0.3077, 0.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 168, 84) }
```

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

```
.background{ background-color: rgb(87, 168,  
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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