

Converting Colors

Yxy(60.3528, 0.3093, 0.5180)

Have a look what the booklet for
Yxy(60.3528, 0.3093, 0.5180)
contains.

Yxy(60.3270, 0.3091, 0.5182)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.3270, 0.3091, 0.5182)

Conversions

Conversions Part 1

Format	Color
Hex	68E65D
RGB	104, 230, 93
RGB Percent	41%, 90%, 36%
CMY	0.5920, 0.0980, 0.6353
CMYK	0.55, 0.00, 0.60, 0.10
HSL	115°, 73%, 63%
HSV	115°, 60%, 90%
XYZ	35.9843, 60.3270, 20.1051
YIQ	176.7080, -31.1190, -69.3190

Conversions

Conversions Part 2

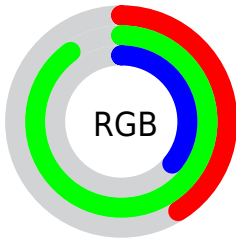
Format	Color
RYB	93, 230, 219
Decimal	6874717
CIELab	82.02, -60.77, 55.10
CIElCh	82, 82.033, 137.799
Yxy	60.3270, 0.3091, 0.5182
Android (android.graphics.Color)	4285064797 (0xFF68E65D)
YUV	176.7080, -41.2680, -63.7649
Hunter-Lab	77.6705, -53.2252, 39.0220

Details

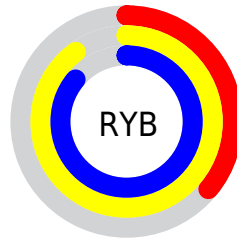
The Yxy color **60.3270, 0.3091, 0.5182** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **28.6009, 0.3080, 0.1858**, and the grayscale version is **44.0435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6259, 0.3167, 0.4572**, and **30.3120, 0.2994, 0.5728** is the 20% darker color. If you saturate the color by 10%, you get **58.8701, 0.3073, 0.5489**, and if you desaturate by 10%, it is **62.2289, 0.3105, 0.4839**.

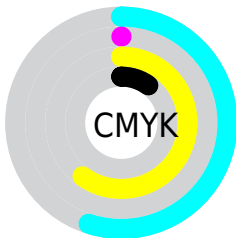
Distribution



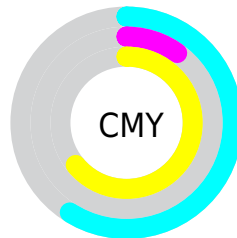
- Red (41%)
- Green (90%)
- Blue (36%)



- Red (36%)
- Yellow (90%)
- Blue (86%)



- Cyan (55%)
- Magenta (0%)
- Yellow (60%)
- Black (10%)





- Cyan (59%)
- Magenta (10%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3270, 0.3091, 0.5182 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 60.3270, 0.3091, 0.5182 by changing the saturation by 10% instead.


 60.3270, 0.3091,
0.5182


 60.3270, 0.3091,
0.5182


425.8020, 0.3168,
0.4211


 43.6823, 0.3053,
0.5422


 105.3039, 0.3133,
0.4828

 30.4208, 0.2992,
0.5725


 134.4048, 0.3145,
0.4695

 20.1582, 0.2895,
0.6114


 168.4266, 0.3153,
0.4583

 12.5101, 0.2729,
0.6618

 207.7536, 0.3158,
0.4487

 7.0921, 0.2508,
0.7485

252.7703, 0.3162,
0.4404

 3.5197, 0.1914,
0.8086

303.8610, 0.3165,

 1.4087, 0.0000,

0.4331

1.0000

361.4101, 0.3167,
0.4267

■ 0.2231, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.3270, 0.3091,
0.5182

■ 60.3270, 0.3091,
0.5182

■ 58.8701, 0.3073,
0.5489

■ 62.2289, 0.3105,
0.4839

■ 57.8149, 0.3053,
0.5734

■ 64.5998, 0.3116,
0.4486


■ 57.1230, 0.3032,
0.5900


■ 67.4711, 0.3123,
0.4143


■ 56.7392, 0.3015,
0.5986

■ 70.8690, 0.3127,
0.3824

 56.7277, 0.3015,
0.5988

 74.8181, 0.3128,
0.3535

 79.3415, 0.3127,
0.3279

 84.4609, 0.3125,
0.3056

 85.0742, 0.3138,
0.3048

Harmonies

Analogous

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



60.3270, 0.4035, 0.5101



60.3270, 0.3091, 0.5182



60.3270, 0.2205, 0.4362

Triad

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



60.3270, 0.3091, 0.5182



60.3270, 0.1573, 0.1877



60.3270, 0.4860, 0.3074

Complementary

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



60.3270, 0.3091, 0.5182



28.6009, 0.3080, 0.1858

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.



60.3270, 0.3943, 0.2463



60.3270, 0.3091, 0.5182



60.3270, 0.2042, 0.1807

Square

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



60.3270, 0.3091, 0.5182



60.3270, 0.1433, 0.2293



60.3270, 0.2867, 0.2016



60.3270, 0.5164, 0.3761

Rectangle

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



60.3270, 0.3091, 0.5182



60.3270, 0.1776, 0.3547



60.3270, 0.2867, 0.2016



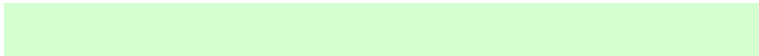
60.3270, 0.4605, 0.2858

Sweetspot

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



60.3295, 0.3091, 0.5182



90.2435, 0.3127, 0.3779



68.0605, 0.4036, 0.4591



19.0254, 0.3126, 0.3869



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.3295, 0.3091, 0.5182



74.1136, 0.3070, 0.5539



61.1268, 0.2775, 0.4426



16.1443, 0.3128, 0.3532



32.1364, 0.3018, 0.5985



2.3941, 0.3068, 0.5946

Inverse Universe

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



28.6009, 0.3080, 0.1858



30.7125, 0.3061, 0.1662



27.6678, 0.3858, 0.2421



14.5532, 0.3125, 0.3058



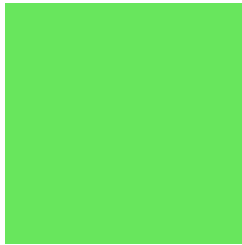
11.1420, 0.3008, 0.1431



0.8409, 0.3039, 0.1448

Previews

White Background



This preview shows how the Yxy color 60.3270, 0.3091, 0.5182 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 60.3270, 0.3091, 0.5182 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 60.3270, 0.3091, 0.5182

Background



This preview shows how black text looks on a background with the Yxy color 60.3270, 0.3091, 0.5182.

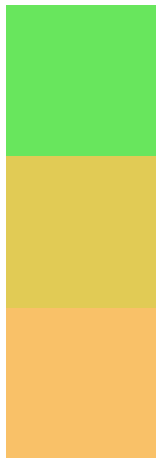


This preview shows how white text looks on a background with the Yxy color 60.3270, 0.3091, 0.5182.

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

60.3270, 0.3091, 0.5182

Protanopia

59.3753, 0.4137, 0.4545

Deuteranopia

59.2791, 0.4293, 0.4197



Tritanopia

60.0633, 0.2514, 0.3076

Trichromacy



Original Color

60.3270, 0.3091, 0.5182



Protanomaly

58.1168, 0.3692, 0.4810



Deuteranomaly

56.7985, 0.3787, 0.4563



Tritanomaly

59.3013, 0.2736, 0.3820

Monochromacy



Original Color

60.3270, 0.3091, 0.5182



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.0392, 0.3125, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3270, 0.3091, 0.5182 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(104, 230, 93)` looks like.

```
.text, #text, p{  
    color:rgb(104, 230, 93)  
}
```

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(104, 230, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 230, 93) }
```

Border

The CSS property to change the border of an element to Yxy 60.3270, 0.3091, 0.5182 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(104, 230, 93) }
```

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

```
.border{ border-color:rgb(104, 230, 93) }
```

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

Here you see how a box with a 4 pixel rgb(104, 230, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 230, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 230, 93);  
box-shadow:4px 4px 4px 4px rgb(104, 230,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3270, 0.3091, 0.5182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 230, 93) }
```

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

```
.background{ background-color: rgb(104,  
230, 93) }
```

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