

Converting Colors

$Y_{xy}(59.1826, 0.2977, 0.5218)$

Have a look what the booklet for
Yxy(59.1826, 0.2977, 0.5218)
contains.

Yxy(59.1692, 0.2977, 0.5218)	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(59.1692, 0.2977, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	51E65F
RGB	81, 230, 95
RGB Percent	32%, 90%, 37%
CMY	0.6822, 0.0980, 0.6274
CMYK	0.65, 0.00, 0.59, 0.10
HSL	126°, 75%, 61%
HSV	126°, 65%, 90%
XYZ	33.7575, 59.1692, 20.4677
YIQ	170.0590, -45.4690, -73.5730

Conversions

Conversions Part 2

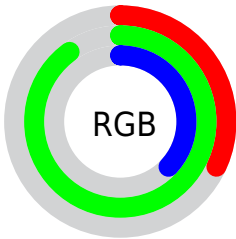
Format	Color
RYB	81, 217, 230
Decimal	5367391
CIELab	81.38, -65.67, 53.34
CIELCh	81, 84.601, 140.918
Yxy	59.1692, 0.2977, 0.5218
Android (android.graphics.Color)	4283557471 (0xFF51E65F)
YUV	170.0590, -37.0041, -78.1047
Hunter-Lab	76.9215, -56.2768, 38.0689

Details

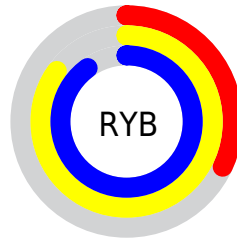
The Yxy color **59.1692, 0.2977, 0.5218** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **27.6721, 0.3345, 0.1929**, and the grayscale version is **40.4396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8009, 0.3050, 0.4589**, and **30.0403, 0.2927, 0.5737** is the 20% darker color. If you saturate the color by 10%, you get **57.9917, 0.2970, 0.5506**, and if you desaturate by 10%, it is **60.7970, 0.2991, 0.4895**.

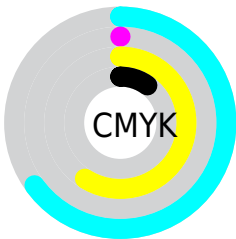
Distribution



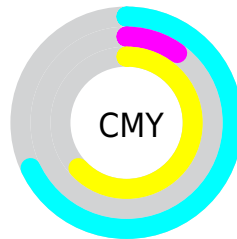
- Red (32%)
- Green (90%)
- Blue (37%)



- Red (32%)
- Yellow (85%)
- Blue (90%)



- Cyan (65%)
- Magenta (0%)
- Yellow (59%)
- Black (10%)





- Cyan (68%)
- Magenta (10%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1692, 0.2977, 0.5218 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 59.1692, 0.2977, 0.5218 by changing the saturation by 10% instead.


 59.1692, 0.2977,
0.5218


 59.1692, 0.2977,
0.5218

421.5287, 0.3109,
0.4218


 42.7493, 0.2926,
0.5469


 103.6235, 0.3039,
0.4851


 29.6885, 0.2850,
0.5788


 132.4268, 0.3058,
0.4714

 19.6023, 0.2731,
0.6200


 166.1267, 0.3072,
0.4599

 12.1063, 0.2539,
0.6742

 205.1075, 0.3083,
0.4500

 6.8161, 0.2275,
0.7664

249.7537, 0.3092,
0.4415

 3.3474, 0.1620,
0.8380

300.4497, 0.3099,

 1.3157, 0.0000,

0.4341

1.0000

357.5799, 0.3104,
0.4276

■ 0.1533, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1692, 0.2977,
0.5218

■ 59.1692, 0.2977,
0.5218

■ 57.9917, 0.2970,
0.5506

■ 60.7970, 0.2991,
0.4895

■ 57.2125, 0.2972,
0.5736


■ 62.9063, 0.3012,
0.4560

■ 56.7800, 0.2981,
0.5894


■ 65.5342, 0.3036,
0.4232

■ 56.6510, 0.2985,
0.5947

■ 68.7119, 0.3062,
0.3925

 72.4683, 0.3089,
0.3645

 76.8301, 0.3115,
0.3397

 81.8226, 0.3140,
0.3180

 85.0747, 0.3138,
0.3048

Harmonies

Analogous

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



59.1692, 0.3954, 0.5205



59.1692, 0.2977, 0.5218



59.1692, 0.2089, 0.4278

Triad

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



59.1692, 0.2977, 0.5218



59.1692, 0.1563, 0.1812



59.1692, 0.4991, 0.3130

Complementary

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



59.1692, 0.2977, 0.5218



27.6721, 0.3345, 0.1929

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.



59.1692, 0.4088, 0.2495



59.1692, 0.2977, 0.5218



59.1692, 0.2078, 0.1775

Square

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



59.1692, 0.2977, 0.5218



59.1692, 0.1385, 0.2191



59.1692, 0.2963, 0.2016



59.1692, 0.5221, 0.3836

Rectangle

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



59.1692, 0.2977, 0.5218



59.1692, 0.1679, 0.3423



59.1692, 0.2963, 0.2016



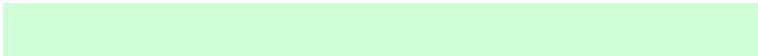
59.1692, 0.4750, 0.2907

Sweetspot

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



59.1717, 0.2977, 0.5218



89.4285, 0.3077, 0.3763



72.0312, 0.3926, 0.4827



18.8528, 0.3070, 0.3844



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.



59.1717, 0.2977, 0.5218



72.8683, 0.2970, 0.5598



61.1699, 0.2642, 0.4170



16.1110, 0.3103, 0.3510



32.0798, 0.2982, 0.5934



2.3781, 0.2936, 0.5771

Inverse Universe

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



27.6721, 0.3345, 0.1929



30.1742, 0.3395, 0.1771



24.6989, 0.4318, 0.2630



14.5907, 0.3152, 0.3080



12.1243, 0.3459, 0.1679



0.9028, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 59.1692, 0.2977, 0.5218 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 59.1692, 0.2977, 0.5218 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 59.1692, 0.2977, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 59.1692, 0.2977, 0.5218.



This preview shows how white text looks on a background with the Yxy color 59.1692, 0.2977, 0.5218.

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

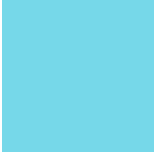
59.1692, 0.2977, 0.5218

Protanopia

58.1331, 0.4129, 0.4529

Deuteranopia

57.8950, 0.4267, 0.4170



Tritanopia

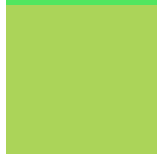
58.8465, 0.2440, 0.3072

Trichromacy



Original Color

59.1692, 0.2977, 0.5218



Protanomaly

56.4662, 0.3610, 0.4837



Deuteranomaly

55.0611, 0.3694, 0.4573



Tritanomaly

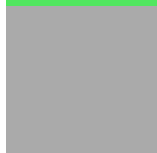
58.1351, 0.2642, 0.3818

Monochromacy



Original Color

59.1692, 0.2977, 0.5218



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

45.0857, 0.3055, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1692, 0.2977, 0.5218 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(81, 230, 95)` looks like.

```
.text, #text, p{  
    color:rgb(81, 230, 95)  
}
```

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(81, 230, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 230, 95) }
```

Border

The CSS property to change the border of an element to Yxy 59.1692, 0.2977, 0.5218 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(81, 230, 95) }
```

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

```
.border{ border-color:rgb(81, 230, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 230, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 230, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 230, 95);  
box-shadow:4px 4px 4px 4px rgb(81, 230,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1692, 0.2977, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 230, 95) }
```

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

```
.background{ background-color: rgb(81, 230,  
95) }
```

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