

Converting Colors

$Y_{xy}(59.8311, 0.2997, 0.5220)$

Have a look what the booklet for
Yxy(59.8311, 0.2997, 0.5220)
contains.

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Color

Yxy(59.8913, 0.2997, 0.5227)

Conversions

Conversions Part 1

Format	Color
Hex	55E75E
RGB	85, 231, 94
RGB Percent	33%, 91%, 37%
CMY	0.6669, 0.0941, 0.6312
CMYK	0.63, 0.00, 0.59, 0.09
HSL	124°, 75%, 62%
HSV	124°, 63%, 91%
XYZ	34.3398, 59.8913, 20.3495
YIQ	171.7280, -43.0390, -73.5590

Conversions

Conversions Part 2

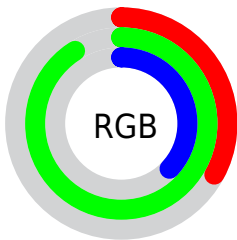
Format	Color
RYB	85, 223, 231
Decimal	5629790
CIELab	81.78, -65.35, 54.24
CIElCh	82, 84.923, 140.308
Yxy	59.8913, 0.2997, 0.5227
Android (android.graphics.Color)	4283819870 (0xFF55E75E)
YUV	171.7280, -38.3199, -76.0605
Hunter-Lab	77.3895, -56.2263, 38.5824

Details

The Yxy color **59.8913, 0.2997, 0.5227** 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 **28.7461, 0.3289, 0.1915**, and the grayscale version is **41.3187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0477, 0.3071, 0.4595**, and **30.4186, 0.2931, 0.5751** is the 20% darker color. If you saturate the color by 10%, you get **58.6482, 0.2988, 0.5521**, and if you desaturate by 10%, it is **61.6011, 0.3012, 0.4896**.

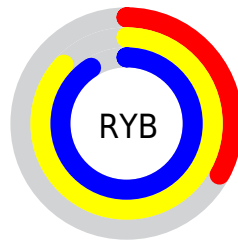
Distribution



Red (33%)

Green (91%)

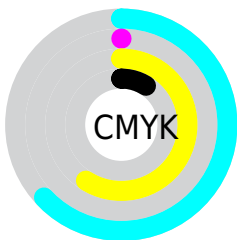
Blue (37%)



Red (33%)

Yellow (87%)

Blue (91%)

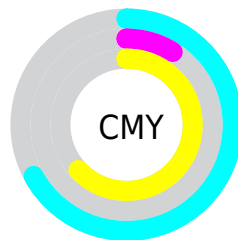


Cyan (63%)

Magenta (0%)

Yellow (59%)

Black (9%)



Cyan (67%)


Magenta (9%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8913, 0.2997, 0.5227 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 59.8913, 0.2997, 0.5227 by changing the saturation by 10% instead.


 59.8913, 0.2997,
0.5227

 59.8913, 0.2997,
0.5227


424.1970, 0.3120,
0.4226

 43.3310, 0.2948,
0.5477

 104.6720, 0.3056,
0.4861

 30.1449, 0.2874,
0.5794

 133.6612, 0.3074,
0.4723

 19.9486, 0.2758,
0.6202


 167.5621, 0.3087,
0.4608

 12.3577, 0.2570,
0.6737

 206.7592, 0.3097,
0.4509

 6.9878, 0.2312,
0.7645

251.6368, 0.3105,
0.4423

 3.4545, 0.1678,
0.8322

302.5794, 0.3111,

 1.3733, 0.0000,

0.4349

1.0000

359.9713, 0.3116,
0.4284

■ 0.1970, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8913, 0.2997,
0.5227

■ 59.8913, 0.2997,
0.5227

■ 58.6482, 0.2988,
0.5521

■ 61.6011, 0.3012,
0.4896

■ 57.8192, 0.2985,
0.5753

■ 63.8095, 0.3032,
0.4552


■ 57.3525, 0.2988,
0.5908


■ 66.5542, 0.3054,
0.4215

■ 57.1893, 0.2991,
0.5969

■ 69.8670, 0.3076,
0.3901

 73.7775, 0.3099,
0.3617

 78.3130, 0.3120,
0.3365

 83.4993, 0.3141,
0.3145

 85.6365, 0.3138,
0.3058

Harmonies

Analogous

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



59.8913, 0.3973, 0.5196



59.8913, 0.2997, 0.5227



59.8913, 0.2105, 0.4303

Triad

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



59.8913, 0.2997, 0.5227



59.8913, 0.1556, 0.1816



59.8913, 0.4978, 0.3116

Complementary

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



59.8913, 0.2997, 0.5227



28.7461, 0.3289, 0.1915

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.



59.8913, 0.4065, 0.2483



59.8913, 0.2997, 0.5227



59.8913, 0.2064, 0.1773

Square

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



59.8913, 0.2997, 0.5227



59.8913, 0.1385, 0.2204



59.8913, 0.2942, 0.2009



59.8913, 0.5223, 0.3822

Rectangle

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



59.8913, 0.2997, 0.5227



59.8913, 0.1689, 0.3448



59.8913, 0.2942, 0.2009



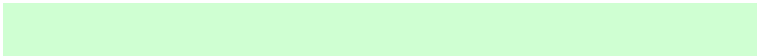
59.8913, 0.4732, 0.2894

Sweetspot

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



59.8938, 0.2997, 0.5227



89.3524, 0.3086, 0.3780



73.6115, 0.3951, 0.4778



18.8348, 0.3079, 0.3864



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.



59.8938, 0.2997, 0.5227



73.0033, 0.2986, 0.5602



61.8115, 0.2671, 0.4218



16.1037, 0.3107, 0.3517



32.0646, 0.2989, 0.5959



2.3746, 0.2957, 0.5846

Inverse Universe

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



28.7461, 0.3289, 0.1915



31.0849, 0.3323, 0.1748



25.7011, 0.4203, 0.2587



14.5989, 0.3147, 0.3073



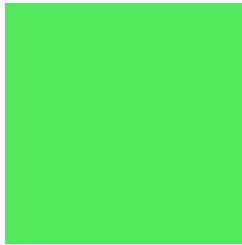
12.3280, 0.3371, 0.1631



0.9157, 0.3345, 0.1617

Previews

White Background



This preview shows how the Yxy color 59.8913, 0.2997, 0.5227 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 59.8913, 0.2997, 0.5227 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

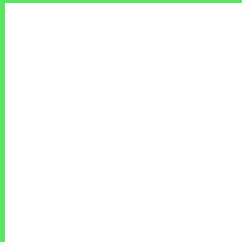
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.8913, 0.2997, 0.5227

Background



This preview shows how black text looks on a background with the Yxy color 59.8913, 0.2997, 0.5227.

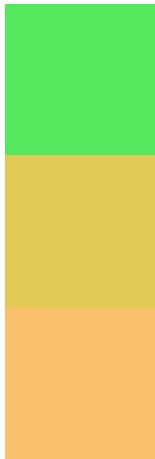


This preview shows how white text looks on a background with the Yxy color 59.8913, 0.2997, 0.5227.

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

59.8913, 0.2997, 0.5227

Protanopia

58.7442, 0.4136, 0.4541

Deuteranopia

58.4934, 0.4276, 0.4185



Tritanopia

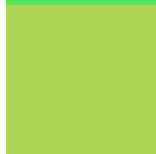
59.6312, 0.2451, 0.3073

Trichromacy



Original Color

59.8913, 0.2997, 0.5227



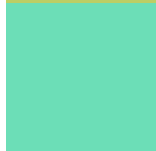
Protanomaly

57.1773, 0.3627, 0.4846



Deuteranomaly

55.7736, 0.3713, 0.4586



Tritanomaly

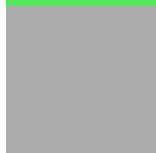
58.8496, 0.2658, 0.3829

Monochromacy



Original Color

59.8913, 0.2997, 0.5227



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.7290, 0.3063, 0.4011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8913, 0.2997, 0.5227 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(85, 231, 94)` looks like.

```
.text, #text, p{  
    color:rgb(85, 231, 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(85, 231, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 231, 94) }
```

Border

The CSS property to change the border of an element to Yxy 59.8913, 0.2997, 0.5227 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(85, 231, 94) }
```

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

```
.border{ border-color:rgb(85, 231, 94) }
```

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

Here you see how a box with a 4 pixel rgb(85, 231, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 231, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 231, 94);  
box-shadow:4px 4px 4px 4px rgb(85, 231,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8913, 0.2997, 0.5227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 231, 94) }
```

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

```
.background{ background-color: rgb(85, 231,  
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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