

Converting Colors

$Y_{xy}(59.3335, 0.3004, 0.4742)$

Have a look what the booklet for
Yxy(59.3335, 0.3004, 0.4742)
contains.

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Color

Yxy(59.3335, 0.3004, 0.4742)

Conversions

Conversions Part 1

Format	Color
Hex	71E27B
RGB	113, 226, 123
RGB Percent	44%, 89%, 48%
CMY	0.5566, 0.1137, 0.5177
CMYK	0.50, 0.00, 0.46, 0.11
HSL	125°, 66%, 66%
HSV	125°, 50%, 89%
XYZ	37.5871, 59.3335, 28.2028
YIQ	180.4710, -34.2850, -55.9890

Conversions

Conversions Part 2

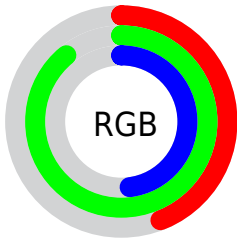
Format	Color
RYB	113, 217, 226
Decimal	7463547
CIELab	81.47, -53.15, 40.57
CIElCh	81, 66.861, 142.643
Yxy	59.3335, 0.3004, 0.4742
Android (android.graphics.Color)	4285653627 (0xFF71E27B)
YUV	180.4710, -28.3332, -59.1721
Hunter-Lab	77.0282, -47.6977, 32.2116

Details

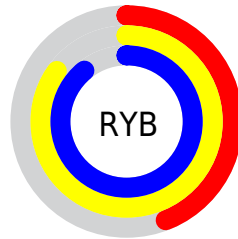
The Yxy color **59.3335, 0.3004, 0.4742** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.9567, 0.3281, 0.2177**, and the grayscale version is **46.0867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3523, 0.3050, 0.4203**, and **29.9211, 0.2923, 0.5173** is the 20% darker color. If you saturate the color by 10%, you get **57.5549, 0.2987, 0.5075**, and if you desaturate by 10%, it is **61.5990, 0.3026, 0.4407**.

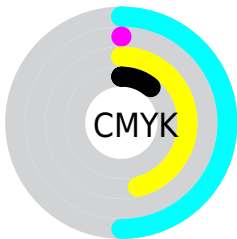
Distribution



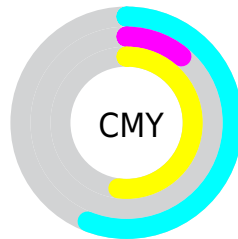
- Red (44%)
- Green (89%)
- Blue (48%)



- Red (44%)
- Yellow (85%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (46%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3335, 0.3004, 0.4742 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 59.3335, 0.3004, 0.4742 by changing the saturation by 10% instead.


 59.3335, 0.3004,
0.4742


 59.3335, 0.3004,
0.4742


422.1367, 0.3096,
0.3995

 42.8816, 0.2971,
0.4931


 103.8622, 0.3045,
0.4468

 29.7923, 0.2924,
0.5174


 132.7079, 0.3058,
0.4365

 19.6810, 0.2851,
0.5496


 166.4536, 0.3068,
0.4279

 12.1633, 0.2734,
0.5935

205.4837, 0.3076,
0.4206

 6.8550, 0.2528,
0.6556

250.1827, 0.3083,
0.4142

 3.3716, 0.2231,
0.7769

300.9349, 0.3088,

 1.3287, 0.0000,

0.4087

1.0000

358.1248, 0.3092,
0.4038

■ 0.1632, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3335, 0.3004,
0.4742

■ 59.3335, 0.3004,
0.4742

■ 57.5549, 0.2987,
0.5075

■ 61.5990, 0.3026,
0.4407

■ 56.2207, 0.2976,
0.5383


■ 64.3756, 0.3051,
0.4086

■ 55.2934, 0.2973,
0.5642


■ 67.6946, 0.3077,
0.3790


■ 54.7261, 0.2978,
0.5834


■ 71.5829, 0.3103,
0.3524

 54.4416, 0.2986,
0.5951

 76.0654, 0.3127,
0.3289

 54.4409, 0.2986,
0.5951

 81.1656, 0.3150,
0.3085

 82.8710, 0.3140,
0.3009

Harmonies

Analogous

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



59.3335, 0.3813, 0.4849



59.3335, 0.3004, 0.4742



59.3335, 0.2272, 0.4002

Triad

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



59.3335, 0.3004, 0.4742



59.3335, 0.1844, 0.2063



59.3335, 0.4633, 0.3231

Complementary

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



59.3335, 0.3004, 0.4742



32.9567, 0.3281, 0.2177

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.



59.3335, 0.3945, 0.2674



59.3335, 0.3004, 0.4742



59.3335, 0.2310, 0.2033

Square

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



59.3335, 0.3004, 0.4742



59.3335, 0.1675, 0.2390



59.3335, 0.3059, 0.2251



59.3335, 0.4818, 0.3844

Rectangle

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



59.3335, 0.3004, 0.4742



59.3335, 0.1928, 0.3365



59.3335, 0.3059, 0.2251



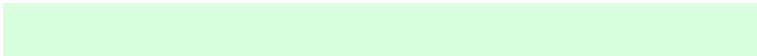
59.3335, 0.4449, 0.3036

Sweetspot

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



59.3360, 0.3004, 0.4742



91.4064, 0.3089, 0.3656



70.2733, 0.3784, 0.4532



19.3367, 0.3084, 0.3714



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.



59.3360, 0.3004, 0.4742



75.5924, 0.2986, 0.5089



61.1588, 0.2710, 0.3933



15.3567, 0.3104, 0.3511



31.0668, 0.2983, 0.5938



2.1602, 0.2938, 0.5776

Inverse Universe

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



32.9567, 0.3281, 0.2177



37.1480, 0.3319, 0.1990



30.5366, 0.3928, 0.2749



13.9138, 0.3151, 0.3079



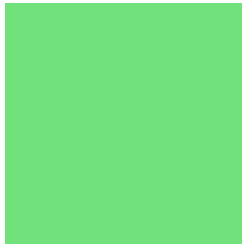
11.7802, 0.3442, 0.1670



0.8227, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 59.3335, 0.3004, 0.4742 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 59.3335, 0.3004, 0.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

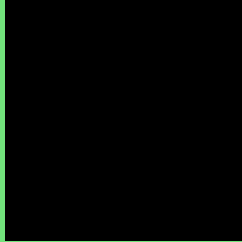
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3335, 0.3004, 0.4742

Background



This preview shows how black text looks on a background with the Yxy color 59.3335, 0.3004, 0.4742.



This preview shows how white text looks on a background with the Yxy color 59.3335, 0.3004, 0.4742.

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

59.3335, 0.3004, 0.4742

Protanopia

58.3603, 0.3938, 0.4277

Deuteranopia

58.2152, 0.4042, 0.3951



Tritanopia

59.1810, 0.2535, 0.3076

Trichromacy



Original Color

59.3335, 0.3004, 0.4742



Protanomaly

57.3226, 0.3548, 0.4466



Deuteranomaly

56.3463, 0.3606, 0.4233



Tritanomaly

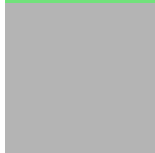
58.5378, 0.2703, 0.3638

Monochromacy



Original Color

59.3335, 0.3004, 0.4742



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.5036, 0.3079, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3335, 0.3004, 0.4742 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(113, 226, 123)` looks like.

```
.text, #text, p{  
    color:rgb(113, 226, 123)  
}
```

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(113, 226, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 226, 123) }
```

Border

The CSS property to change the border of an element to Yxy 59.3335, 0.3004, 0.4742 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(113, 226, 123) }
```

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

```
.border{ border-color:rgb(113, 226, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 226, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 226, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 226, 123);  
box-shadow:4px 4px 4px 4px rgb(113, 226,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3335, 0.3004, 0.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 226, 123) }
```

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

```
.background{ background-color: rgb(113,  
226, 123) }
```

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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