

Converting Colors

Yxy(58.1348, 0.3019, 0.4638)

Have a look what the booklet for
Yxy(58.1348, 0.3019, 0.4638)
contains.

Yxy(58.3007, 0.3023, 0.4642)	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(58.3007, 0.3023, 0.4642)

Conversions

Conversions Part 1

Format	Color
Hex	78DF7F
RGB	120, 223, 127
RGB Percent	47%, 87%, 50%
CMY	0.5293, 0.1255, 0.5020
CMYK	0.46, 0.00, 0.43, 0.13
HSL	124°, 62%, 67%
HSV	124°, 46%, 87%
XYZ	37.9670, 58.3007, 29.3262
YIQ	181.2590, -30.5720, -51.6920

Conversions

Conversions Part 2

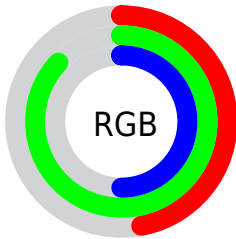
Format	Color
RYB	120, 216, 223
Decimal	7921535
CIELab	80.91, -49.46, 37.92
CIELCh	81, 62.323, 142.525
Yxy	58.3007, 0.3023, 0.4642
Android (android.graphics.Color)	4286111615 (0xFF78DF7F)
YUV	181.2590, -26.7497, -53.7241
Hunter-Lab	76.3549, -44.8629, 30.6765

Details

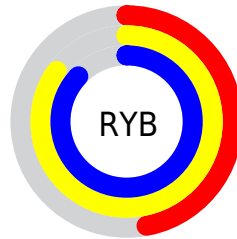
The Yxy color **58.3007, 0.3023, 0.4642** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **34.0899, 0.3247, 0.2234**, and the grayscale version is **46.5209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2033, 0.3064, 0.4145**, and **29.1513, 0.2951, 0.5047** is the 20% darker color. If you saturate the color by 10%, you get **56.4022, 0.3004, 0.4983**, and if you desaturate by 10%, it is **60.6873, 0.3045, 0.4304**.

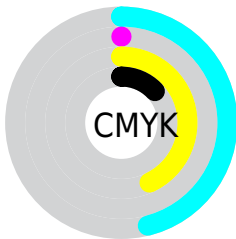
Distribution



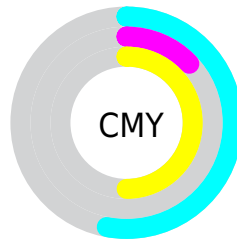
- Red (47%)
- Green (87%)
- Blue (50%)



- Red (47%)
- Yellow (85%)
- Blue (87%)



- Cyan (46%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)




- Cyan (53%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3007, 0.3023, 0.4642 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 58.3007, 0.3023, 0.4642 by changing the saturation by 10% instead.

 58.3007, 0.3023,
0.4642


 58.3007, 0.3023,
0.4642


418.3055, 0.3102,
0.3947


 42.0504, 0.2995,
0.4819


 102.3606, 0.3058,
0.4386

 29.1408, 0.2954,
0.5046


 130.9391, 0.3069,
0.4291

 19.1874, 0.2891,
0.5348


 164.3957, 0.3078,
0.4211

 11.8057, 0.2787,
0.5763

203.1149, 0.3085,
0.4142

 6.6115, 0.2605,
0.6358

247.4811, 0.3090,
0.4083

 3.2204, 0.2372,
0.7628

297.8787, 0.3095,

 1.2478, 0.0000,

0.4032

1.0000

354.6920, 0.3099,
0.3987

■ 0.1003, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3007, 0.3023,
0.4642

■ 58.3007, 0.3023,
0.4642

■ 56.4022, 0.3004,
0.4983

■ 60.6873, 0.3045,
0.4304

■ 54.9512, 0.2991,
0.5305


■ 63.5845, 0.3068,
0.3985


■ 53.9132, 0.2984,
0.5584


■ 67.0225, 0.3091,
0.3694


■ 53.2447, 0.2983,
0.5797


■ 71.0266, 0.3114,
0.3434

 52.8925, 0.2989,
0.5932

 75.6210, 0.3135,
0.3207

 52.8101, 0.2990,
0.5965

 80.8280, 0.3155,
0.3009

 81.2555, 0.3142,
0.2980

Harmonies

Analogous

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



58.3007, 0.3788, 0.4755



58.3007, 0.3023, 0.4642



58.3007, 0.2328, 0.3959

Triad

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



58.3007, 0.3023, 0.4642



58.3007, 0.1909, 0.2130



58.3007, 0.4537, 0.3241

Complementary

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



58.3007, 0.3023, 0.4642



34.0899, 0.3247, 0.2234

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.



58.3007, 0.3893, 0.2708



58.3007, 0.3023, 0.4642



58.3007, 0.2354, 0.2097

Square

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



58.3007, 0.3023, 0.4642



58.3007, 0.1749, 0.2448



58.3007, 0.3063, 0.2304



58.3007, 0.4720, 0.3826

Rectangle

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



58.3007, 0.3023, 0.4642



58.3007, 0.1997, 0.3370



58.3007, 0.3063, 0.2304



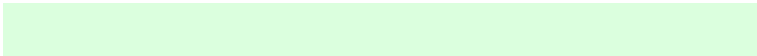
58.3007, 0.4365, 0.3054

Sweetspot

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



58.3031, 0.3023, 0.4642



91.8851, 0.3096, 0.3637



68.7521, 0.3754, 0.4439



19.4293, 0.3091, 0.3697



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.



58.3031, 0.3023, 0.4642



76.6088, 0.3006, 0.4957



60.0008, 0.2743, 0.3899



15.3522, 0.3107, 0.3516



31.0573, 0.2987, 0.5955



2.1581, 0.2952, 0.5826

Inverse Universe

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



34.0899, 0.3247, 0.2234



40.0894, 0.3274, 0.2054



31.8336, 0.3818, 0.2768



13.9188, 0.3148, 0.3074



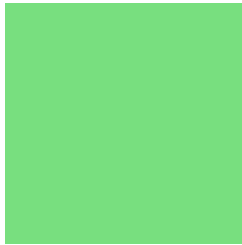
11.9071, 0.3386, 0.1639



0.8302, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 58.3007, 0.3023, 0.4642 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 58.3007, 0.3023, 0.4642 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 58.3007, 0.3023, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 58.3007, 0.3023, 0.4642.

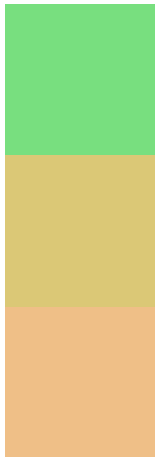


This preview shows how white text looks on a background with the Yxy color 58.3007, 0.3023, 0.4642.

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

58.3007, 0.3023, 0.4642

Protanopia

57.6766, 0.3899, 0.4232

Deuteranopia

57.3616, 0.3990, 0.3906



Tritanopia

57.9408, 0.2572, 0.3075

Trichromacy



Original Color

58.3007, 0.3023, 0.4642



Protanomaly

56.5595, 0.3538, 0.4395



Deuteranomaly

56.1136, 0.3590, 0.4172



Tritanomaly

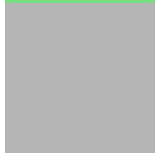
57.4308, 0.2737, 0.3611

Monochromacy



Original Color

58.3007, 0.3023, 0.4642



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.4240, 0.3089, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3007, 0.3023, 0.4642 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(120, 223, 127)` looks like.

```
.text, #text, p{  
    color:rgb(120, 223, 127)  
}
```

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(120, 223, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 223, 127) }
```

Border

The CSS property to change the border of an element to Yxy 58.3007, 0.3023, 0.4642 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(120, 223, 127) }
```

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

```
.border{ border-color:rgb(120, 223, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 223, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 223, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 223, 127); box-shadow:4px 4px 4px 4px rgb(120, 223, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3007, 0.3023, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 223, 127) }
```

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

```
.background{ background-color: rgb(120,  
223, 127) }
```

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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