

Converting Colors

Yxy(58.6401, 0.2931, 0.4740)

Have a look what the booklet for
Yxy(58.6401, 0.2931, 0.4740)
contains.

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Color

Yxy(58.6401, 0.2931, 0.4740)

Conversions

Conversions Part 1

Format	Color
Hex	65E27D
RGB	101, 226, 125
RGB Percent	40%, 89%, 49%
CMY	0.6042, 0.1137, 0.5098
CMYK	0.55, 0.00, 0.45, 0.11
HSL	132°, 68%, 64%
HSV	132°, 55%, 89%
XYZ	36.2604, 58.6401, 28.8128
YIQ	177.1110, -42.0790, -57.9110

Conversions

Conversions Part 2

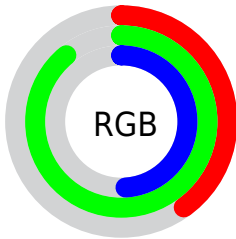
Format	Color
RYB	101, 206, 226
Decimal	6677117
CIELab	81.09, -55.87, 39.00
CIElCh	81, 68.138, 145.084
Yxy	58.6401, 0.2931, 0.4740
Android (android.graphics.Color)	4284867197 (0xFF65E27D)
YUV	177.1110, -25.6907, -66.7493
Hunter-Lab	76.5768, -49.4868, 31.2953

Details

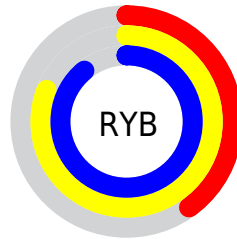
The Yxy color **58.6401, 0.2931, 0.4740** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **29.7277, 0.3444, 0.2194**, and the grayscale version is **44.1758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3517, 0.2983, 0.4193**, and **29.5199, 0.2833, 0.5180** is the 20% darker color. If you saturate the color by 10%, you get **57.0889, 0.2916, 0.5042**, and if you desaturate by 10%, it is **60.6405, 0.2956, 0.4435**.

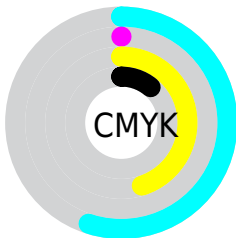
Distribution



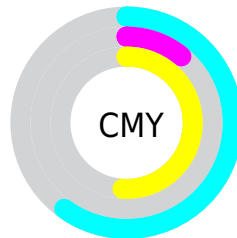
- Red (40%)
- Green (89%)
- Blue (49%)



- Red (40%)
- Yellow (81%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (45%)
- Black (11%)




- Cyan (60%)
- Magenta (11%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6401, 0.2931, 0.4740 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 58.6401, 0.2931, 0.4740 by changing the saturation by 10% instead.

 58.6401, 0.2931,
0.4740


 58.6401, 0.2931,
0.4740

419.5669, 0.3058,
0.3990

 42.3235, 0.2890,
0.4931


 102.8544, 0.2984,
0.4464

 29.3547, 0.2833,
0.5178


 131.5209, 0.3002,
0.4361

 19.3493, 0.2748,
0.5506


 165.0727, 0.3016,
0.4275

 11.9229, 0.2615,
0.5957

 203.8944, 0.3027,
0.4201

 6.6912, 0.2389,
0.6602

248.3702, 0.3037,
0.4137

 3.2698, 0.2074,
0.7926

298.8847, 0.3045,

 1.2741, 0.0000,

0.4082

1.0000

355.8221, 0.3052,
0.4033

■ 0.1210, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6401, 0.2931,
0.4740

■ 58.6401, 0.2931,
0.4740

■ 57.0889, 0.2916,
0.5042

■ 60.6405, 0.2956,
0.4435

■ 55.9446, 0.2912,
0.5324


■ 63.1138, 0.2989,
0.4141


■ 55.1693, 0.2921,
0.5568

■ 66.0907, 0.3026,
0.3867


■ 54.7143, 0.2942,
0.5759


■ 69.5974, 0.3066,
0.3619

 54.5763, 0.2952,
0.5829

 73.6580, 0.3106,
0.3397

 78.2953, 0.3145,
0.3202

 82.7355, 0.3155,
0.3030

 82.8782, 0.3140,
0.3009

Harmonies

Analogous

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



58.6401, 0.3758, 0.4900



58.6401, 0.2931, 0.4740



58.6401, 0.2202, 0.3941

Triad

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



58.6401, 0.2931, 0.4740



58.6401, 0.1847, 0.2027



58.6401, 0.4704, 0.3276

Complementary

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



58.6401, 0.2931, 0.4740



29.7277, 0.3444, 0.2194

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.



58.6401, 0.4034, 0.2704



58.6401, 0.2931, 0.4740



58.6401, 0.2345, 0.2019

Square

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



58.6401, 0.2931, 0.4740



58.6401, 0.1651, 0.2330



58.6401, 0.3128, 0.2260



58.6401, 0.4843, 0.3901

Rectangle

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



58.6401, 0.2931, 0.4740



58.6401, 0.1871, 0.3288



58.6401, 0.3128, 0.2260



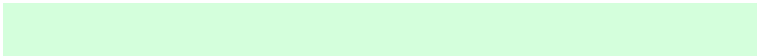
58.6401, 0.4530, 0.3076

Sweetspot

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



58.6425, 0.2931, 0.4740



90.6320, 0.3059, 0.3661



68.0445, 0.3742, 0.4699



19.1926, 0.3051, 0.3710



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.



58.6425, 0.2931, 0.4740



74.8659, 0.2915, 0.5075



60.7240, 0.2618, 0.3833



15.3801, 0.3090, 0.3485



31.1458, 0.2947, 0.5808



2.1713, 0.2870, 0.5532

Inverse Universe

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



29.7277, 0.3444, 0.2194



33.3345, 0.3527, 0.2031



27.3760, 0.4235, 0.2842



13.8880, 0.3167, 0.3103



11.1799, 0.3763, 0.1847



0.7867, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 58.6401, 0.2931, 0.4740 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 58.6401, 0.2931, 0.4740 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 58.6401, 0.2931, 0.4740

Background



This preview shows how black text looks on a background with the Yxy color 58.6401, 0.2931, 0.4740.



This preview shows how white text looks on a background with the Yxy color 58.6401, 0.2931, 0.4740.

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

58.6401, 0.2931, 0.4740

Protanopia

57.6064, 0.3920, 0.4263

Deuteranopia

57.4803, 0.4015, 0.3924



Tritanopia

58.4519, 0.2491, 0.3073

Trichromacy



Original Color

58.6401, 0.2931, 0.4740



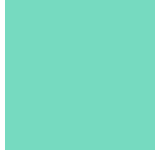
Protanomaly

56.1629, 0.3490, 0.4451



Deuteranomaly

55.6163, 0.3541, 0.4225



Tritanomaly

57.8001, 0.2651, 0.3643

Monochromacy



Original Color

58.6401, 0.2931, 0.4740



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.8884, 0.3033, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6401, 0.2931, 0.4740 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(101, 226, 125)` looks like.

```
.text, #text, p{  
    color:rgb(101, 226, 125)  
}
```

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(101, 226, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 226, 125) }
```

Border

The CSS property to change the border of an element to Yxy 58.6401, 0.2931, 0.4740 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(101, 226, 125) }
```

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

```
.border{ border-color:rgb(101, 226, 125) }
```

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

Here you see how a box with a 4 pixel rgb(101, 226, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 226, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 226, 125);  
box-shadow:4px 4px 4px 4px rgb(101, 226,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6401, 0.2931, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 226, 125) }
```

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

```
.background{ background-color: rgb(101,  
226, 125) }
```

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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