

Converting Colors

Yxy(58.4991, 0.2958, 0.4633)

Have a look what the booklet for
Yxy(58.4991, 0.2958, 0.4633)
contains.

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Color

Yxy(58.3025, 0.2957, 0.4629)

Conversions

Conversions Part 1

Format	Color
Hex	6FE082
RGB	111, 224, 130
RGB Percent	44%, 88%, 51%
CMY	0.5645, 0.1216, 0.4902
CMYK	0.50, 0.00, 0.42, 0.12
HSL	130°, 65%, 66%
HSV	130°, 50%, 88%
XYZ	37.2436, 58.3025, 30.4045
YIQ	179.4970, -37.1740, -53.1900

Conversions

Conversions Part 2

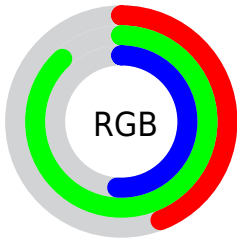
Format	Color
RYB	111, 208, 224
Decimal	7331970
CIELab	80.91, -51.82, 36.36
CIELCh	81, 63.301, 144.947
Yxy	58.3025, 0.2957, 0.4629
Android (android.graphics.Color)	4285522050 (0xFF6FE082)
YUV	179.4970, -24.4020, -60.0719
Hunter-Lab	76.3561, -46.5577, 29.8404

Details

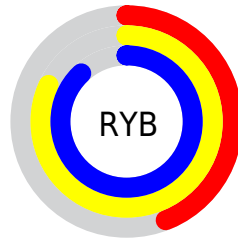
The Yxy color **58.3025, 0.2957, 0.4629** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **31.6360, 0.3378, 0.2252**, and the grayscale version is **45.5122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4157, 0.3002, 0.4121**, and **29.2227, 0.2873, 0.5033** is the 20% darker color. If you saturate the color by 10%, you get **56.5728, 0.2937, 0.4941**, and if you desaturate by 10%, it is **60.4921, 0.2984, 0.4320**.

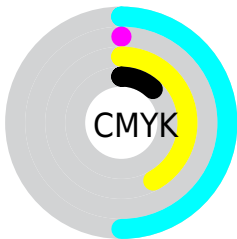
Distribution



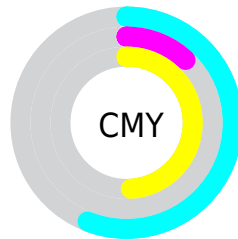
- Red (44%)
- Green (88%)
- Blue (51%)



- Red (44%)
- Yellow (82%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (12%)





- Cyan (56%)
- Magenta (12%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3025, 0.2957, 0.4629 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 58.3025, 0.2957, 0.4629 by changing the saturation by 10% instead.


 58.3025, 0.2957,
0.4629

 58.3025, 0.2957,
0.4629


418.3122, 0.3067,
0.3939


 42.0519, 0.2922,
0.4805

 102.3632, 0.3003,
0.4375

 29.1419, 0.2872,
0.5032


 130.9422, 0.3018,
0.4280

 19.1882, 0.2799,
0.5335


 164.3993, 0.3030,
0.4201

 11.8064, 0.2684,
0.5754

203.1191, 0.3040,
0.4133

 6.6120, 0.2486,
0.6359

247.4858, 0.3049,
0.4074

 3.2206, 0.2256,
0.7744

297.8840, 0.3056,

 1.2480, 0.0000,

0.4023

1.0000

354.6980, 0.3062,
0.3978

■ 0.1004, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3025, 0.2957,
0.4629

■ 58.3025, 0.2957,
0.4629

■ 56.5728, 0.2937,
0.4941

■ 60.4921, 0.2984,
0.4320

■ 55.2630, 0.2928,
0.5240

■ 63.1637, 0.3017,
0.4026


■ 54.3384, 0.2930,
0.5504


■ 66.3466, 0.3053,
0.3756

■ 53.7554, 0.2944,
0.5718

■ 70.0659, 0.3089,
0.3513

 53.4484, 0.2962,
0.5865

 74.3448, 0.3126,
0.3299

 79.2051, 0.3161,
0.3111

 81.7912, 0.3141,
0.2989

Harmonies

Analogous

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



58.3025, 0.3734, 0.4790



58.3025, 0.2957, 0.4629



58.3025, 0.2268, 0.3898

Triad

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



58.3025, 0.2957, 0.4629



58.3025, 0.1919, 0.2102



58.3025, 0.4594, 0.3285

Complementary

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



58.3025, 0.2957, 0.4629



31.6360, 0.3378, 0.2252

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.



58.3025, 0.3970, 0.2739



58.3025, 0.2957, 0.4629



58.3025, 0.2392, 0.2090

Square

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



58.3025, 0.2957, 0.4629



58.3025, 0.1734, 0.2397



58.3025, 0.3128, 0.2317



58.3025, 0.4735, 0.3878

Rectangle

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



58.3025, 0.2957, 0.4629



58.3025, 0.1950, 0.3299



58.3025, 0.3128, 0.2317



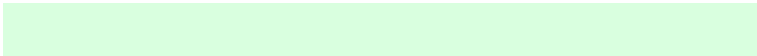
58.3025, 0.4431, 0.3094

Sweetspot

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



58.3049, 0.2957, 0.4629



91.5701, 0.3072, 0.3623



67.4637, 0.3714, 0.4577



19.3755, 0.3064, 0.3675



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.



58.3049, 0.2957, 0.4629



75.6925, 0.2936, 0.4973



60.2535, 0.2658, 0.3803



15.3746, 0.3093, 0.3491



31.1223, 0.2957, 0.5846



2.1687, 0.2885, 0.5587

Inverse Universe

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



31.6360, 0.3378, 0.2252



35.9214, 0.3448, 0.2069



29.3858, 0.4062, 0.2853



13.8941, 0.3163, 0.3097



11.3133, 0.3683, 0.1802



0.7948, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 58.3025, 0.2957, 0.4629 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 58.3025, 0.2957, 0.4629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

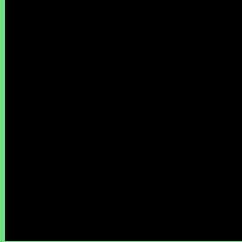
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3025, 0.2957, 0.4629

Background



This preview shows how black text looks on a background with the Yxy color 58.3025, 0.2957, 0.4629.



This preview shows how white text looks on a background with the Yxy color 58.3025, 0.2957, 0.4629.

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

58.3025, 0.2957, 0.4629

Protanopia

57.5945, 0.3869, 0.4203

Deuteranopia

57.2737, 0.3957, 0.3876



Tritanopia

57.8124, 0.2526, 0.3073

Trichromacy



Original Color

58.3025, 0.2957, 0.4629



Protanomaly

56.6399, 0.3483, 0.4381



Deuteranomaly

55.6676, 0.3534, 0.4145



Tritanomaly

57.3976, 0.2683, 0.3600

Monochromacy



Original Color

58.3025, 0.2957, 0.4629



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.0571, 0.3051, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3025, 0.2957, 0.4629 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(111, 224, 130)` looks like.

```
.text, #text, p{  
    color:rgb(111, 224, 130)  
}
```

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(111, 224, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 224, 130) }
```

Border

The CSS property to change the border of an element to Yxy 58.3025, 0.2957, 0.4629 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(111, 224, 130) }
```

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

```
.border{ border-color:rgb(111, 224, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 224, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 224, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 224, 130);  
box-shadow:4px 4px 4px 4px rgb(111, 224,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3025, 0.2957, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 224, 130) }
```

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

```
.background{ background-color: rgb(111,  
224, 130) }
```

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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