

Converting Colors

Yxy(66.0537, 0.3038, 0.4849)

Have a look what the booklet for
Yxy(66.0537, 0.3038, 0.4849)
contains.

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Color

Yxy(65.8004, 0.3038, 0.4852)

Conversions

Conversions Part 1

Format	Color
Hex	76ED79
RGB	118, 237, 121
RGB Percent	46%, 93%, 47%
CMY	0.5375, 0.0705, 0.5255
CMYK	0.50, 0.00, 0.49, 0.07
HSL	122°, 77%, 70%
HSV	122°, 50%, 93%
XYZ	41.1998, 65.8004, 28.6148
YIQ	188.1950, -33.6880, -61.3040

Conversions

Conversions Part 2

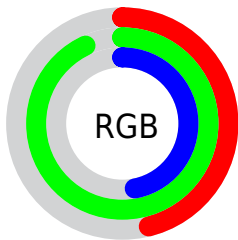
Format	Color
RYB	118, 234, 237
Decimal	7794041
CIELab	84.89, -56.49, 45.85
CIELCh	85, 72.752, 140.934
Yxy	65.8004, 0.3038, 0.4852
Android (android.graphics.Color)	4285984121 (0xFF76ED79)
YUV	188.1950, -33.1271, -61.5610
Hunter-Lab	81.1174, -51.2947, 35.8672

Details

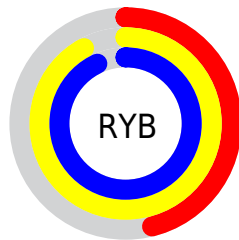
The Yxy color **65.8004, 0.3038, 0.4852** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.8875, 0.3212, 0.2107**, and the grayscale version is **50.6048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9623, 0.3095, 0.4217**, and **33.8844, 0.2963, 0.5292** is the 20% darker color. If you saturate the color by 10%, you get **63.8478, 0.3022, 0.5196**, and if you desaturate by 10%, it is **68.3108, 0.3056, 0.4497**.

Distribution



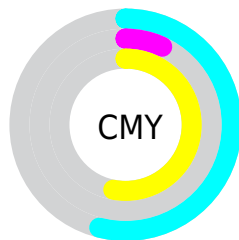
- Red (46%)
- Green (93%)
- Blue (47%)



- Red (46%)
- Yellow (92%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)




- Cyan (54%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8004, 0.3038, 0.4852 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 65.8004, 0.3038, 0.4852 by changing the saturation by 10% instead.


 65.8004, 0.3038,
0.4852


 65.8004, 0.3038,
0.4852


445.6627, 0.3119,
0.4062


 48.1104, 0.3007,
0.5047


 113.1998, 0.3076,
0.4565

 33.9143, 0.2962,
0.5295


 143.6780, 0.3087,
0.4457

 22.8278, 0.2891,
0.5616


 179.1877, 0.3096,
0.4366

 14.4664, 0.2778,
0.6046

220.1133, 0.3103,
0.4287

 8.4458, 0.2581,
0.6633

266.8392, 0.3108,
0.4220

 4.3815, 0.2297,
0.7703

319.7498, 0.3113,

 1.8892, 0.0906,

0.4160

0.9094

379.2295, 0.3116,
0.4108

■ 0.5419, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8004, 0.3038,
0.4852

■ 65.8004, 0.3038,
0.4852

■ 63.8478, 0.3022,
0.5196

■ 68.3108, 0.3056,
0.4497

■ 62.4030, 0.3009,
0.5504


■ 71.4083, 0.3075,
0.4154

■ 61.4213, 0.3001,
0.5747

■ 75.1296, 0.3094,
0.3835

■ 60.8461, 0.2997,
0.5910

■ 79.5062, 0.3111,
0.3548

 60.5889, 0.2997,
0.5988

 84.5677, 0.3127,
0.3296

 89.0556, 0.3135,
0.3117

Harmonies

Analogous

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



65.8004, 0.3879, 0.4911



65.8004, 0.3038, 0.4852



65.8004, 0.2266, 0.4098

Triad

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



65.8004, 0.3038, 0.4852



65.8004, 0.1773, 0.2021



65.8004, 0.4680, 0.3185

Complementary

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



65.8004, 0.3038, 0.4852



36.8875, 0.3212, 0.2107

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.



65.8004, 0.3934, 0.2616



65.8004, 0.3038, 0.4852



65.8004, 0.2236, 0.1977

Square

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



65.8004, 0.3038, 0.4852



65.8004, 0.1616, 0.2374



65.8004, 0.3002, 0.2189



65.8004, 0.4902, 0.3818

Rectangle

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



65.8004, 0.3038, 0.4852



65.8004, 0.1898, 0.3420



65.8004, 0.3002, 0.2189



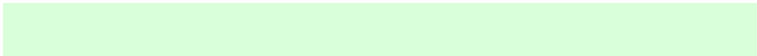
65.8004, 0.4478, 0.2985

Sweetspot

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



65.8032, 0.3038, 0.4852



91.2813, 0.3103, 0.3682



79.5490, 0.3848, 0.4513



19.3071, 0.3099, 0.3743



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.



65.8032, 0.3038, 0.4852



75.3838, 0.3022, 0.5196



67.6962, 0.2748, 0.4050



16.8684, 0.3112, 0.3527



33.0783, 0.2995, 0.5983



2.5996, 0.2983, 0.5938

Inverse Universe

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



36.8875, 0.3212, 0.2107



37.7327, 0.3229, 0.1921



34.0638, 0.3841, 0.2660



15.3067, 0.3142, 0.3064



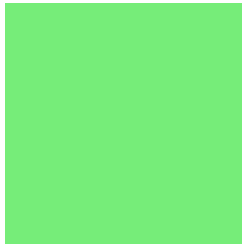
12.9806, 0.3274, 0.1577



1.0214, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 65.8004, 0.3038, 0.4852 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 65.8004, 0.3038, 0.4852 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

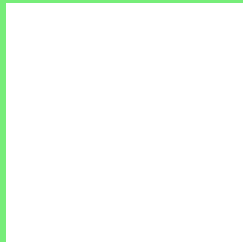
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8004, 0.3038, 0.4852

Background



This preview shows how black text looks on a background with the Yxy color 65.8004, 0.3038, 0.4852.



This preview shows how white text looks on a background with the Yxy color 65.8004, 0.3038, 0.4852.

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

65.8004, 0.3038, 0.4852

Protanopia

64.9142, 0.3990, 0.4353

Deuteranopia

64.6450, 0.4111, 0.4017



Tritanopia

65.6514, 0.2536, 0.3073

Trichromacy



Original Color

65.8004, 0.3038, 0.4852



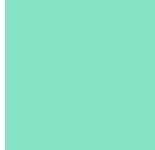
Protanomaly

63.5006, 0.3597, 0.4552



Deuteranomaly

62.6046, 0.3658, 0.4317



Tritanomaly

65.2667, 0.2724, 0.3688

Monochromacy



Original Color

65.8004, 0.3038, 0.4852



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.6095, 0.3093, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8004, 0.3038, 0.4852 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(118, 237, 121)` looks like.

```
.text, #text, p{  
    color:rgb(118, 237, 121)  
}
```

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(118, 237, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 237, 121) }
```

Border

The CSS property to change the border of an element to Yxy 65.8004, 0.3038, 0.4852 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(118, 237, 121) }
```

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

```
.border{ border-color:rgb(118, 237, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 237, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 237, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 237, 121);  
box-shadow:4px 4px 4px 4px rgb(118, 237,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8004, 0.3038, 0.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 237, 121) }
```

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

```
.background{ background-color: rgb(118,  
237, 121) }
```

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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