

Converting Colors

Yxy(57.9134, 0.3132, 0.4688)

Have a look what the booklet for
Yxy(57.9134, 0.3132, 0.4688)
contains.

Yxy(57.9745, 0.3135, 0.4688)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.9745, 0.3135, 0.4688)

Conversions

Conversions Part 1

Format	Color
Hex	84DD78
RGB	132, 221, 120
RGB Percent	52%, 87%, 47%
CMY	0.4821, 0.1334, 0.5293
CMYK	0.40, 0.00, 0.46, 0.13
HSL	113°, 60%, 67%
HSV	113°, 46%, 87%
XYZ	38.7692, 57.9745, 26.9220
YIQ	182.8750, -20.6230, -50.2790

Conversions

Conversions Part 2

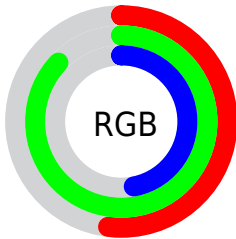
Format	Color
RYB	120, 221, 209
Decimal	8707448
CIELab	80.72, -46.11, 41.24
CIELCh	81, 61.856, 138.190
Yxy	57.9745, 0.3135, 0.4688
Android (android.graphics.Color)	4286897528 (0xFF84DD78)
YUV	182.8750, -30.9974, -44.6174
Hunter-Lab	76.1410, -42.3587, 32.3349

Details

The Yxy color **57.9745, 0.3135, 0.4688** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.2085, 0.3061, 0.2141**, and the grayscale version is **47.4717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3948, 0.3173, 0.4208**, and **28.8764, 0.3090, 0.5096** is the 20% darker color. If you saturate the color by 10%, you get **56.0743, 0.3125, 0.5033**, and if you desaturate by 10%, it is **60.2963, 0.3140, 0.4342**.

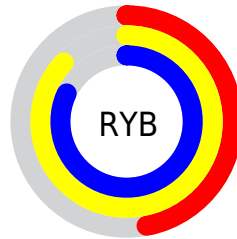
Distribution



Red (52%)

Green (87%)

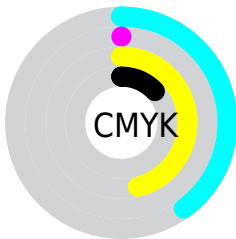
Blue (47%)



Red (47%)

Yellow (87%)

Blue (82%)

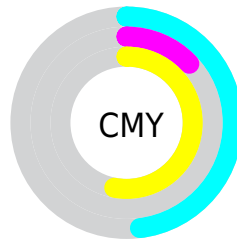


Cyan (40%)

Magenta (0%)

Yellow (46%)

Black (13%)



Cyan (48%)


Magenta (13%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9745, 0.3135, 0.4688 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 57.9745, 0.3135, 0.4688 by changing the saturation by 10% instead.


 57.9745, 0.3135,
0.4688

 57.9745, 0.3135,
0.4688


417.0909, 0.3162,
0.3971


 41.7881, 0.3118,
0.4869


 101.8857, 0.3153,
0.4425

 28.9354, 0.3090,
0.5100


 130.3794, 0.3157,
0.4327

 19.0320, 0.3041,
0.5405


 163.7443, 0.3160,
0.4245

 11.6934, 0.2955,
0.5819

202.3648, 0.3161,
0.4174

 6.5353, 0.2791,
0.6405

246.6253, 0.3162,
0.4113

 3.1732, 0.2528,
0.7472

296.9102, 0.3163,

 1.2228, 0.0024,

0.4060

0.9976

353.6040, 0.3163,
0.4013

■ 0.0802, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9745, 0.3135,
0.4688

■ 57.9745, 0.3135,
0.4688

■ 56.0743, 0.3125,
0.5033

■ 60.2963, 0.3140,
0.4342

■ 54.5633, 0.3109,
0.5354


■ 63.0552, 0.3140,
0.4011


■ 53.4165, 0.3087,
0.5626

■ 66.2748, 0.3137,
0.3706

■ 52.6023, 0.3062,
0.5827


■ 69.9750, 0.3131,
0.3432

 52.0839, 0.3036,
0.5946

 74.1743, 0.3124,
0.3190

 51.9346, 0.3027,
0.5979

 78.8906, 0.3116,
0.2978

 80.1906, 0.3143,
0.2960

Harmonies

Analogous

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



57.9745, 0.3888, 0.4717



57.9745, 0.3135, 0.4688



57.9745, 0.2420, 0.4077

Triad

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



57.9745, 0.3135, 0.4688



57.9745, 0.1874, 0.2163



57.9745, 0.4461, 0.3160

Complementary

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



57.9745, 0.3135, 0.4688



32.2085, 0.3061, 0.2141

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.



57.9745, 0.3773, 0.2643



57.9745, 0.3135, 0.4688



57.9745, 0.2277, 0.2091

Square

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



57.9745, 0.3135, 0.4688



57.9745, 0.1756, 0.2525



57.9745, 0.2949, 0.2265



57.9745, 0.4717, 0.3740

Rectangle

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



57.9745, 0.3135, 0.4688



57.9745, 0.2063, 0.3495



57.9745, 0.2949, 0.2265



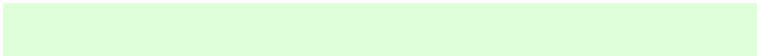
57.9745, 0.4268, 0.2977

Sweetspot

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



57.9770, 0.3135, 0.4688



92.4263, 0.3136, 0.3660



61.6122, 0.3865, 0.4279



19.5590, 0.3137, 0.3723



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.



57.9770, 0.3135, 0.4688



77.6142, 0.3125, 0.5025



58.1411, 0.2858, 0.4186



14.6802, 0.3134, 0.3530



30.1965, 0.3032, 0.5975



1.9815, 0.3109, 0.5914

Inverse Universe

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



32.2085, 0.3061, 0.2141



37.6518, 0.3038, 0.1922



32.2690, 0.3568, 0.2548



13.1920, 0.3119, 0.3058



9.7797, 0.2912, 0.1378



0.6563, 0.2963, 0.1406

Previews

White Background



This preview shows how the Yxy color 57.9745, 0.3135, 0.4688 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 57.9745, 0.3135, 0.4688 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 57.9745, 0.3135, 0.4688

Background



This preview shows how black text looks on a background with the Yxy color 57.9745, 0.3135, 0.4688.

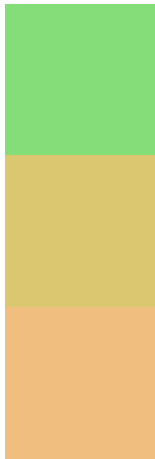


This preview shows how white text looks on a background with the Yxy color 57.9745, 0.3135, 0.4688.

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

57.9745, 0.3135, 0.4688

Protanopia

57.0768, 0.3946, 0.4285

Deuteranopia

56.8845, 0.4067, 0.3976



Tritanopia

57.7673, 0.2635, 0.3077

Trichromacy



Original Color

57.9745, 0.3135, 0.4688



Protanomaly

56.4282, 0.3614, 0.4442



Deuteranomaly

55.6460, 0.3697, 0.4231



Tritanomaly

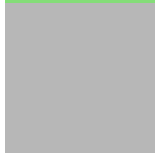
57.1961, 0.2824, 0.3635

Monochromacy



Original Color

57.9745, 0.3135, 0.4688



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.3631, 0.3135, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9745, 0.3135, 0.4688 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(132, 221, 120)` looks like.

```
.text, #text, p{  
    color:rgb(132, 221, 120)  
}
```

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(132, 221, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 221, 120) }
```

Border

The CSS property to change the border of an element to Yxy 57.9745, 0.3135, 0.4688 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(132, 221, 120) }
```

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

```
.border{ border-color:rgb(132, 221, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 221, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 221, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 221, 120);  
box-shadow:4px 4px 4px 4px rgb(132, 221,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9745, 0.3135, 0.4688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 221, 120) }
```

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

```
.background{ background-color: rgb(132,  
221, 120) }
```

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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