

Converting Colors

Yxy(56.1417, 0.3172, 0.4690)

Have a look what the booklet for
Yxy(56.1417, 0.3172, 0.4690)
contains.

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Color

Yxy(55.9784, 0.3169, 0.4685)

Conversions

Conversions Part 1

Format	Color
Hex	86D975
RGB	134, 217, 117
RGB Percent	53%, 85%, 46%
CMY	0.4742, 0.1491, 0.5411
CMYK	0.38, 0.00, 0.46, 0.15
HSL	110°, 57%, 65%
HSV	110°, 46%, 85%
XYZ	37.8646, 55.9784, 25.6413
YIQ	180.7830, -17.3680, -48.6960

Conversions

Conversions Part 2

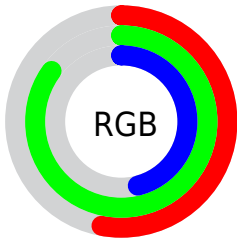
Format	Color
RYB	117, 217, 200
Decimal	8837493
CIELab	79.60, -44.17, 41.32
CIElCh	80, 60.487, 136.908
Yxy	55.9784, 0.3169, 0.4685
Android (android.graphics.Color)	4287027573 (0xFF86D975)
YUV	180.7830, -31.4450, -41.0287
Hunter-Lab	74.8187, -40.5967, 32.0537

Details

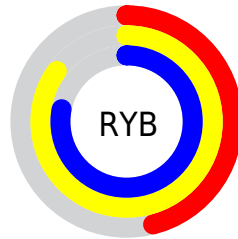
The Yxy color **55.9784, 0.3169, 0.4685** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **30.0037, 0.3009, 0.2115**, and the grayscale version is **46.2756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5366, 0.3202, 0.4239**, and **27.5454, 0.3135, 0.5094** is the 20% darker color. If you saturate the color by 10%, you get **54.1720, 0.3163, 0.5024**, and if you desaturate by 10%, it is **58.1595, 0.3168, 0.4344**.

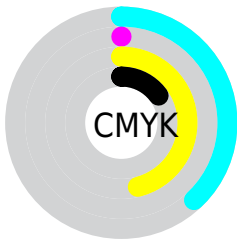
Distribution



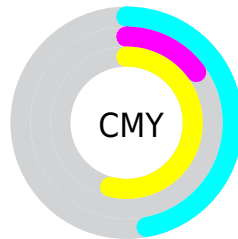
- Red (53%)
- Green (85%)
- Blue (46%)



- Red (46%)
- Yellow (85%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (46%)
- Black (15%)



- Cyan (47%)
- Magenta (15%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9784, 0.3169, 0.4685 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 55.9784, 0.3169, 0.4685 by changing the saturation by 10% instead.


 55.9784, 0.3169,
0.4685


 55.9784, 0.3169,
0.4685


409.6101, 0.3180,
0.3967


 40.1856, 0.3155,
0.4867


 98.9730, 0.3181,
0.4421

 27.6833, 0.3131,
0.5100


 126.9436, 0.3183,
0.4323

 18.0871, 0.3088,
0.5407


 159.7422, 0.3184,
0.4240

 11.0125, 0.3005,
0.5826

197.7533, 0.3184,
0.4170

 6.0752, 0.2849,
0.6432

241.3613, 0.3183,
0.4108

 2.8909, 0.2556,
0.7444

290.9504, 0.3182,

 1.0750, 0.0000,

0.4055

1.0000

346.9053, 0.3181,
0.4009

■ 0.0000, 0.0000,
0.0000

■ 55.9784, 0.3169,
0.4685

■ 55.9784, 0.3169,
0.4685

■ 54.1720, 0.3163,
0.5024

■ 58.1595, 0.3168,
0.4344

■ 52.7122, 0.3148,
0.5339

■ 60.7275, 0.3161,
0.4017

■ 51.5781, 0.3124,
0.5606


■ 63.7028, 0.3150,
0.3715

■ 50.7436, 0.3094,
0.5806


■ 67.1021, 0.3136,
0.3441

■ 50.1779, 0.3060,
0.5928

■ 70.9414, 0.3121,
0.3198

 50.0156, 0.3048,
0.5962

 75.2356, 0.3105,
0.2985

 78.1016, 0.3145,
0.2920

Harmonies

Analogous

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



55.9784, 0.3912, 0.4692



55.9784, 0.3169, 0.4685



55.9784, 0.2455, 0.4102

Triad

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



55.9784, 0.3169, 0.4685



55.9784, 0.1874, 0.2182



55.9784, 0.4425, 0.3139

Complementary

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



55.9784, 0.3169, 0.4685



30.0037, 0.3009, 0.2115

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.



55.9784, 0.3732, 0.2630



55.9784, 0.3169, 0.4685



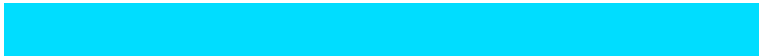
55.9784, 0.2262, 0.2100

Square

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



55.9784, 0.3169, 0.4685



55.9784, 0.1770, 0.2556



55.9784, 0.2918, 0.2262



55.9784, 0.4701, 0.3713

Rectangle

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



55.9784, 0.3169, 0.4685



55.9784, 0.2092, 0.3531



55.9784, 0.2918, 0.2262



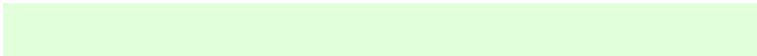
55.9784, 0.4229, 0.2958

Sweetspot

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



55.9808, 0.3169, 0.4685



92.7212, 0.3148, 0.3659



56.7266, 0.3895, 0.4236



19.6298, 0.3150, 0.3721



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.



55.9808, 0.3169, 0.4685



78.2143, 0.3163, 0.5005



55.5637, 0.2885, 0.4269



14.7125, 0.3141, 0.3530



30.3108, 0.3055, 0.5957



1.9967, 0.3153, 0.5878

Inverse Universe

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



30.0037, 0.3009, 0.2115



36.4237, 0.2973, 0.1895



30.9924, 0.3515, 0.2489



13.1566, 0.3111, 0.3058



8.9442, 0.2783, 0.1307



0.6098, 0.2856, 0.1347

Previews

White Background



This preview shows how the Yxy color 55.9784, 0.3169, 0.4685 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 55.9784, 0.3169, 0.4685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

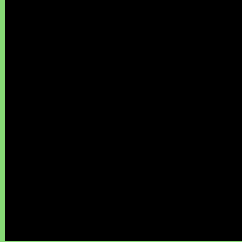
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9784, 0.3169, 0.4685

Background



This preview shows how black text looks on a background with the Yxy color 55.9784, 0.3169, 0.4685.

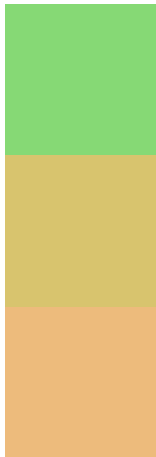


This preview shows how white text looks on a background with the Yxy color 55.9784, 0.3169, 0.4685.

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

55.9784, 0.3169, 0.4685

Protanopia

55.2046, 0.3950, 0.4286

Deuteranopia

55.0004, 0.4081, 0.3984



Tritanopia

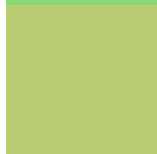
55.7089, 0.2658, 0.3075

Trichromacy



Original Color

55.9784, 0.3169, 0.4685



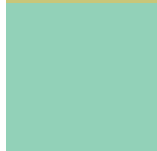
Protanomaly

54.8171, 0.3630, 0.4439



Deuteranomaly

54.0480, 0.3722, 0.4238



Tritanomaly

55.1726, 0.2845, 0.3625

Monochromacy



Original Color

55.9784, 0.3169, 0.4685



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.9447, 0.3152, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9784, 0.3169, 0.4685 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(134, 217, 117)` looks like.

```
.text, #text, p{  
    color:rgb(134, 217, 117)  
}
```

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(134, 217, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 217, 117) }
```

Border

The CSS property to change the border of an element to Yxy 55.9784, 0.3169, 0.4685 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(134, 217, 117) }
```

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

```
.border{ border-color:rgb(134, 217, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 217, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 217, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 217, 117);  
box-shadow:4px 4px 4px 4px rgb(134, 217,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9784, 0.3169, 0.4685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 217, 117) }
```

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

```
.background{ background-color: rgb(134,  
217, 117) }
```

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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