

Converting Colors

$Yxy(40.0676, 0.2867, 0.4552)$

Have a look what the booklet for
Yxy(40.0676, 0.2867, 0.4552)
contains.

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Color

$\text{Yxy}(39.9495, 0.2869, 0.4554)$

Conversions

Conversions Part 1

Format	Color
Hex	54BE73
RGB	84, 190, 115
RGB Percent	33%, 75%, 45%
CMY	0.6704, 0.2549, 0.5490
CMYK	0.56, 0.00, 0.39, 0.25
HSL	138°, 45%, 54%
HSV	138°, 56%, 75%
XYZ	25.1680, 39.9495, 22.6065
YIQ	149.7560, -39.1010, -45.7970

Conversions

Conversions Part 2

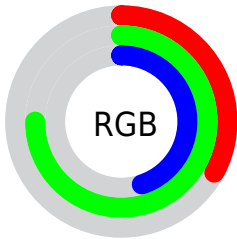
Format	Color
RYB	84, 166, 190
Decimal	5553779
CIELab	69.43, -47.17, 28.87
CIELCh	69, 55.307, 148.532
Yxy	39.9495, 0.2869, 0.4554
Android (android.graphics.Color)	4283743859 (0xFF54BE73)
YUV	149.7560, -17.1347, -57.6680
Hunter-Lab	63.2056, -39.5324, 23.0379

Details

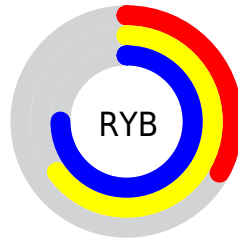
The Yxy color **39.9495, 0.2869, 0.4554** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.8007, 0.3587, 0.2316**, and the grayscale version is **30.4836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0114, 0.2930, 0.4283**, and **18.0662, 0.2746, 0.5005** is the 20% darker color. If you saturate the color by 10%, you get **38.9021, 0.2849, 0.4825**, and if you desaturate by 10%, it is **41.2832, 0.2901, 0.4287**.

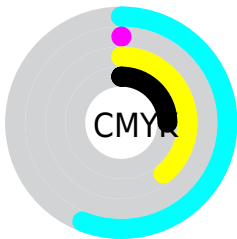
Distribution



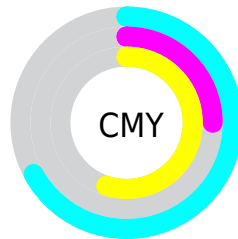
- Red (33%)
- Green (75%)
- Blue (45%)



- Red (33%)
- Yellow (65%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)




- Cyan (67%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9495, 0.2869, 0.4554 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 39.9495, 0.2869, 0.4554 by changing the saturation by 10% instead.


 39.9495, 0.2869,
0.4554


 39.9495, 0.2869,
0.4554


345.9107, 0.3026,
0.3862

 27.4992, 0.2819,
0.4747


 75.0866, 0.2933,
0.4288


 17.9485, 0.2748,
0.5006


 98.5422, 0.2955,
0.4192

 10.9130, 0.2640,
0.5372


 126.4350, 0.2973,
0.4113

 6.0084, 0.2460,
0.5917

 159.1493, 0.2987,
0.4047

 2.8502, 0.2198,
0.7005

197.0697, 0.2999,
0.3990

 1.0540, 0.0000,
1.0000

240.5804, 0.3010,

 0.0000, 0.0000,

0.3942

0.0000

290.0660, 0.3018,
0.3899

■ 39.9495, 0.2869,
0.4554

■ 39.9495, 0.2869,
0.4554

■ 38.9021, 0.2849,
0.4825

■ 41.2832, 0.2901,
0.4287

■ 38.1143, 0.2844,
0.5088

■ 42.9175, 0.2943,
0.4033

■ 37.5630, 0.2856,
0.5330

■ 44.8717, 0.2991,
0.3797

■ 37.2170, 0.2882,
0.5539

■ 47.1621, 0.3043,
0.3582

■ 37.1066, 0.2894,
0.5617

■ 49.8037, 0.3096,
0.3390

■ 52.8106, 0.3150,
0.3221

■ 56.1964, 0.3202,
0.3072

■ 59.9736, 0.3251,
0.2942

■ 64.1445, 0.3298,
0.2829

Harmonies

Analogous

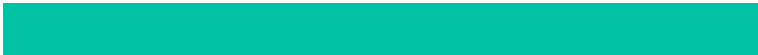
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.9495, 0.3641, 0.4789



39.9495, 0.2869, 0.4554



39.9495, 0.2209, 0.3786

Triad

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



39.9495, 0.2869, 0.4554



39.9495, 0.1969, 0.2095



39.9495, 0.4625, 0.3355

Complementary

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



39.9495, 0.2869, 0.4554



19.8007, 0.3587, 0.2316

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.



39.9495, 0.4054, 0.2804



39.9495, 0.2869, 0.4554



39.9495, 0.2473, 0.2114

Square

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



39.9495, 0.2869, 0.4554



39.9495, 0.1751, 0.2353



39.9495, 0.3228, 0.2366



39.9495, 0.4704, 0.3946

Rectangle

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



39.9495, 0.2869, 0.4554



39.9495, 0.1917, 0.3198



39.9495, 0.3228, 0.2366



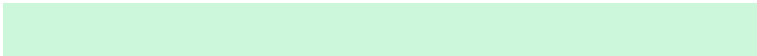
39.9495, 0.4483, 0.3164

Sweetspot

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



39.9511, 0.2869, 0.4554



84.7981, 0.3035, 0.3613



44.9383, 0.3644, 0.4745



18.4287, 0.3024, 0.3656



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9511, 0.2869, 0.4554



70.1259, 0.2847, 0.4887



41.5047, 0.2557, 0.3653



10.6943, 0.3077, 0.3457



24.6866, 0.2887, 0.5595



0.9788, 0.2746, 0.5084

Inverse Universe

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



19.8007, 0.3587, 0.2316



29.9363, 0.3731, 0.2158



18.3577, 0.4404, 0.2987



9.6475, 0.3181, 0.3129



8.4470, 0.4104, 0.2034



0.3418, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 39.9495, 0.2869, 0.4554 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 39.9495, 0.2869, 0.4554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

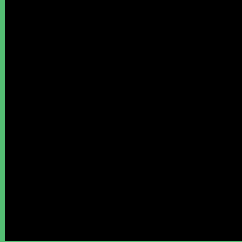
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9495, 0.2869, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 39.9495, 0.2869, 0.4554.



This preview shows how white text looks on a background with the Yxy color 39.9495, 0.2869, 0.4554.

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

39.9495, 0.2869, 0.4554

Protanopia

39.1132, 0.3822, 0.4138

Deuteranopia

39.1742, 0.3887, 0.3799



Tritanopia

39.5859, 0.2477, 0.3065

Trichromacy



Original Color

39.9495, 0.2869, 0.4554



Protanomaly

38.3578, 0.3408, 0.4312



Deuteranomaly

38.1061, 0.3446, 0.4080



Tritanomaly

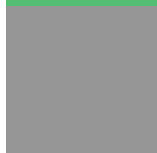
39.5755, 0.2615, 0.3574

Monochromacy



Original Color

39.9495, 0.2869, 0.4554



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.1520, 0.3006, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9495, 0.2869, 0.4554 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(84, 190, 115)` looks like.

```
.text, #text, p{  
    color:rgb(84, 190, 115)  
}
```

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(84, 190, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 190, 115) }
```

Border

The CSS property to change the border of an element to Yxy 39.9495, 0.2869, 0.4554 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(84, 190, 115) }
```

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

```
.border{ border-color:rgb(84, 190, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 190, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 190, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 190, 115);  
box-shadow:4px 4px 4px 4px rgb(84, 190,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9495, 0.2869, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 190, 115) }
```

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

```
.background{ background-color: rgb(84, 190,  
115) }
```

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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