

Converting Colors

$Yxy(44.6298, 0.2949, 0.4514)$

Have a look what the booklet for
Yxy(44.6298, 0.2949, 0.4514)
contains.

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Color

Yxy(44.5934, 0.2945, 0.4510)

Conversions

Conversions Part 1

Format	Color
Hex	66C679
RGB	102, 198, 121
RGB Percent	40%, 78%, 47%
CMY	0.6003, 0.2235, 0.5255
CMYK	0.49, 0.00, 0.39, 0.22
HSL	132°, 46%, 59%
HSV	132°, 49%, 78%
XYZ	29.1192, 44.5934, 25.1641
YIQ	160.5180, -32.4990, -44.2990

Conversions

Conversions Part 2

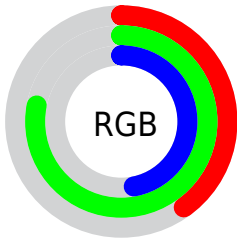
Format	Color
RYB	102, 182, 198
Decimal	6735481
CIELab	72.62, -44.93, 30.06
CIELCh	73, 54.060, 146.213
Yxy	44.5934, 0.2945, 0.4510
Android (android.graphics.Color)	4284925561 (0xFF66C679)
YUV	160.5180, -19.4824, -51.3203
Hunter-Lab	66.7783, -39.0257, 24.4025

Details

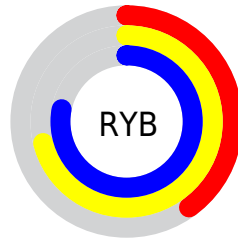
The Yxy color **44.5934, 0.2945, 0.4510** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.7486, 0.3399, 0.2326**, and the grayscale version is **35.5021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8451, 0.2992, 0.4259**, and **20.6134, 0.2855, 0.4922** is the 20% darker color. If you saturate the color by 10%, you get **43.2163, 0.2922, 0.4811**, and if you desaturate by 10%, it is **46.3145, 0.2976, 0.4216**.

Distribution



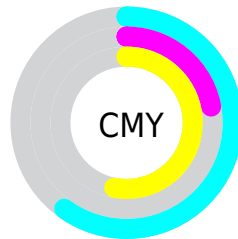
- Red (40%)
- Green (78%)
- Blue (47%)



- Red (40%)
- Yellow (71%)
- Blue (78%)



- Cyan (49%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)




- Cyan (60%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5934, 0.2945, 0.4510 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 44.5934, 0.2945, 0.4510 by changing the saturation by 10% instead.


 44.5934, 0.2945,
0.4510


 44.5934, 0.2945,
0.4510


365.1243, 0.3060,
0.3856

 31.1373, 0.2908,
0.4687


 82.1099, 0.2993,
0.4262


 20.7034, 0.2854,
0.4922


 106.9391, 0.3009,
0.4172

 12.9074, 0.2772,
0.5247


 136.3281, 0.3022,
0.4097

 7.3648, 0.2636,
0.5720

 170.6614, 0.3032,
0.4033

 3.6913, 0.2403,
0.6496

210.3232, 0.3041,
0.3979

 1.5024, 0.1335,
0.8665

255.6981, 0.3048,

 0.2904, 0.0000,

0.3932

1.0000

307.1703, 0.3054,
0.3892

■ 0.0000, 0.0000,
0.0000

■ 44.5934, 0.2945,
0.4510

■ 44.5934, 0.2945,
0.4510

■ 43.2163, 0.2922,
0.4811

■ 46.3145, 0.2976,
0.4216

■ 42.1544, 0.2909,
0.5106

■ 48.3950, 0.3013,
0.3940

■ 41.3836, 0.2909,
0.5378


■ 50.8559, 0.3052,
0.3688

■ 40.8735, 0.2922,
0.5609


■ 53.7151, 0.3093,
0.3462


■ 40.5774, 0.2944,
0.5786


■ 56.9894, 0.3133,
0.3262

 40.5424, 0.2947,
0.5808

 60.6945, 0.3172,
0.3087

 64.8452, 0.3209,
0.2935

 68.4289, 0.3203,
0.2797

 68.8738, 0.3153,
0.2732

Harmonies

Analogous

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



44.5934, 0.3678, 0.4696



44.5934, 0.2945, 0.4510



44.5934, 0.2301, 0.3822

Triad

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



44.5934, 0.2945, 0.4510



44.5934, 0.2000, 0.2164



44.5934, 0.4513, 0.3317

Complementary

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



44.5934, 0.2945, 0.4510



24.7486, 0.3399, 0.2326

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.



44.5934, 0.3946, 0.2794



44.5934, 0.2945, 0.4510



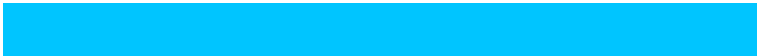
44.5934, 0.2463, 0.2160

Square

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



44.5934, 0.2945, 0.4510



44.5934, 0.1812, 0.2437



44.5934, 0.3164, 0.2385



44.5934, 0.4631, 0.3882

Rectangle

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



44.5934, 0.2945, 0.4510



44.5934, 0.2006, 0.3270



44.5934, 0.3164, 0.2385



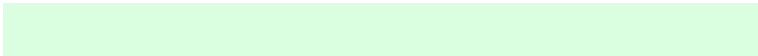
44.5934, 0.4367, 0.3135

Sweetspot

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



44.5953, 0.2945, 0.4510



91.6340, 0.3066, 0.3611



51.1028, 0.3678, 0.4529



19.3907, 0.3057, 0.3661



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.



44.5953, 0.2945, 0.4510



76.4429, 0.2921, 0.4822



46.0263, 0.2664, 0.3750



11.9217, 0.3089, 0.3480



26.3720, 0.2942, 0.5790



1.2592, 0.2833, 0.5400

Inverse Universe

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



24.7486, 0.3399, 0.2326



37.2671, 0.3476, 0.2152



23.1723, 0.4022, 0.2892



10.7791, 0.3167, 0.3107



9.4408, 0.3779, 0.1856



0.4565, 0.3639, 0.1778

Previews

White Background



This preview shows how the Yxy color 44.5934, 0.2945, 0.4510 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 44.5934, 0.2945, 0.4510 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 44.5934, 0.2945, 0.4510

Background



This preview shows how black text looks on a background with the Yxy color 44.5934, 0.2945, 0.4510.



This preview shows how white text looks on a background with the Yxy color 44.5934, 0.2945, 0.4510.

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

44.5934, 0.2945, 0.4510

Protanopia

43.9740, 0.3816, 0.4124

Deuteranopia

44.0096, 0.3886, 0.3813



Tritanopia

44.3432, 0.2543, 0.3077

Trichromacy



Original Color

44.5934, 0.2945, 0.4510



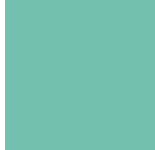
Protanomaly

43.4325, 0.3448, 0.4279



Deuteranomaly

42.7811, 0.3496, 0.4062



Tritanomaly

44.2938, 0.2689, 0.3573

Monochromacy



Original Color

44.5934, 0.2945, 0.4510



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.9229, 0.3055, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5934, 0.2945, 0.4510 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(102, 198, 121)` looks like.

```
.text, #text, p{  
    color:rgb(102, 198, 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(102, 198, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 198, 121) }
```

Border

The CSS property to change the border of an element to Yxy 44.5934, 0.2945, 0.4510 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(102, 198, 121) }
```

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

```
.border{ border-color:rgb(102, 198, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 198, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 198, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 198, 121);  
box-shadow:4px 4px 4px 4px rgb(102, 198,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5934, 0.2945, 0.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 198, 121) }
```

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

```
.background{ background-color: rgb(102,  
198, 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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