

Converting Colors

$Yxy(41.7074, 0.2965, 0.4495)$

Have a look what the booklet for
Yxy(41.7074, 0.2965, 0.4495)
contains.

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Color

Yxy(41.8084, 0.2968, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	66C075
RGB	102, 192, 117
RGB Percent	40%, 75%, 46%
CMY	0.5998, 0.2471, 0.5411
CMYK	0.47, 0.00, 0.39, 0.25
HSL	130°, 42%, 58%
HSV	130°, 47%, 75%
XYZ	27.5444, 41.8084, 23.4517
YIQ	156.5400, -29.5650, -42.4050

Conversions

Conversions Part 2

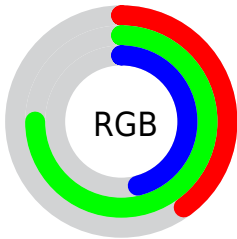
Format	Color
RYB	102, 179, 192
Decimal	6733941
CIELab	70.74, -43.00, 29.66
CIELCh	71, 52.235, 145.397
Yxy	41.8084, 0.2968, 0.4505
Android (android.graphics.Color)	4284924021 (0xFF66C075)
YUV	156.5400, -19.4932, -47.8316
Hunter-Lab	64.6594, -37.1145, 23.7574

Details

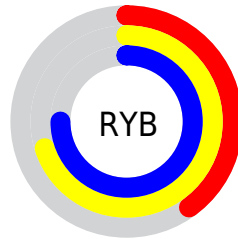
The Yxy color **41.8084, 0.2968, 0.4505** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.8932, 0.3352, 0.2326**, and the grayscale version is **33.6046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9227, 0.3013, 0.4251**, and **19.1401, 0.2887, 0.4941** is the 20% darker color. If you saturate the color by 10%, you get **40.4698, 0.2945, 0.4815**, and if you desaturate by 10%, it is **43.4747, 0.2997, 0.4203**.

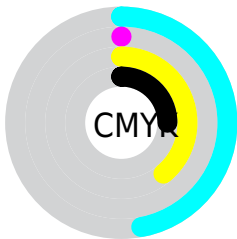
Distribution



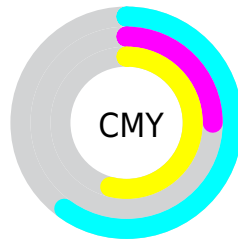
- Red (40%)
- Green (75%)
- Blue (46%)



- Red (40%)
- Yellow (70%)
- Blue (75%)



- Cyan (47%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)





- Cyan (60%)
- Magenta (25%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8084, 0.2968, 0.4505 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 41.8084, 0.2968, 0.4505 by changing the saturation by 10% instead.


 41.8084, 0.2968,
0.4505

 41.8084, 0.2968,
0.4505


353.6881, 0.3072,
0.3847


 28.9513, 0.2933,
0.4685


 77.9096, 0.3012,
0.4254


 19.0440, 0.2881,
0.4926


 101.9224, 0.3027,
0.4163

 11.7021, 0.2800,
0.5262


 130.4226, 0.3038,
0.4088

 6.5411, 0.2663,
0.5756

 163.7946, 0.3048,
0.4025

 3.1768, 0.2447,
0.6660

202.4227, 0.3055,
0.3971

 1.2247, 0.0616,
0.9384

246.6914, 0.3062,

 0.0818, 0.0000,

0.3924

1.0000

296.9851, 0.3067,
0.3883

0.0000, 0.0000,
0.0000

41.8084, 0.2968,
0.4505

41.8084, 0.2968,
0.4505

40.4698, 0.2945,
0.4815

43.4747, 0.2997,
0.4203

39.4321, 0.2931,
0.5119

45.4829, 0.3031,
0.3920

38.6731, 0.2929,
0.5398


47.8527, 0.3067,
0.3662


38.1648, 0.2937,
0.5633

50.6007, 0.3103,
0.3432

37.8705, 0.2955,
0.5811


53.7427, 0.3138,
0.3229

 37.8020, 0.2960,
0.5855

 57.2933, 0.3172,
0.3052

 61.2666, 0.3204,
0.2898

 65.5537, 0.3229,
0.2764

 66.1780, 0.3156,
0.2673

Harmonies

Analogous

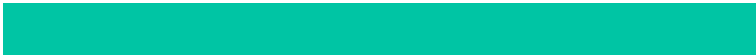
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8084, 0.3692, 0.4676



41.8084, 0.2968, 0.4505



41.8084, 0.2326, 0.3837

Triad

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



41.8084, 0.2968, 0.4505



41.8084, 0.2003, 0.2180



41.8084, 0.4486, 0.3304

Complementary

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



41.8084, 0.2968, 0.4505



23.8932, 0.3352, 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.



41.8084, 0.3917, 0.2787



41.8084, 0.2968, 0.4505



41.8084, 0.2455, 0.2169

Square

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



41.8084, 0.2968, 0.4505



41.8084, 0.1824, 0.2460



41.8084, 0.3144, 0.2386



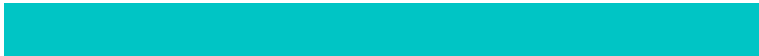
41.8084, 0.4616, 0.3863

Rectangle

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



41.8084, 0.2968, 0.4505



41.8084, 0.2028, 0.3293



41.8084, 0.3144, 0.2386



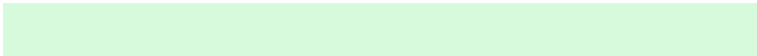
41.8084, 0.4337, 0.3123

Sweetspot

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



41.8101, 0.2968, 0.4505



87.9495, 0.3076, 0.3599



48.1830, 0.3689, 0.4474



18.6469, 0.3068, 0.3651



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.



41.8101, 0.2968, 0.4505



73.3215, 0.2945, 0.4817



43.0815, 0.2695, 0.3779



11.2856, 0.3094, 0.3488



25.4455, 0.2955, 0.5839



1.1081, 0.2851, 0.5464

Inverse Universe

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



23.8932, 0.3352, 0.2326



36.9725, 0.3413, 0.2147



22.4259, 0.3930, 0.2865



10.2178, 0.3162, 0.3100



9.2596, 0.3675, 0.1798



0.4079, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 41.8084, 0.2968, 0.4505 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 41.8084, 0.2968, 0.4505 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 41.8084, 0.2968, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 41.8084, 0.2968, 0.4505.



This preview shows how white text looks on a background with the Yxy color 41.8084, 0.2968, 0.4505.

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

41.8084, 0.2968, 0.4505

Protanopia

41.1740, 0.3816, 0.4134

Deuteranopia

41.1777, 0.3898, 0.3827



Tritanopia

41.4802, 0.2559, 0.3072

Trichromacy



Original Color

41.8084, 0.2968, 0.4505



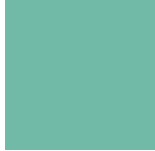
Protanomaly

40.4780, 0.3461, 0.4277



Deuteranomaly

40.2559, 0.3507, 0.4066



Tritanomaly

41.4557, 0.2703, 0.3565

Monochromacy



Original Color

41.8084, 0.2968, 0.4505



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.0208, 0.3062, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8084, 0.2968, 0.4505 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, 192, 117)` looks like.

```
.text, #text, p{  
    color:rgb(102, 192, 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(102, 192, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 192, 117) }
```

Border

The CSS property to change the border of an element to Yxy 41.8084, 0.2968, 0.4505 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, 192, 117) }
```

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

```
.border{ border-color:rgb(102, 192, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 192, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 192, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 192, 117);  
box-shadow:4px 4px 4px 4px rgb(102, 192,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8084, 0.2968, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 192, 117) }
```

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

```
.background{ background-color: rgb(102,  
192, 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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