

Converting Colors

Yxy(41.9401, 0.2967, 0.4632)

Have a look what the booklet for
Yxy(41.9401, 0.2967, 0.4632)
contains.

Yxy(41.7744, 0.2966, 0.4630)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.7744, 0.2966, 0.4630)

Conversions

Conversions Part 1

Format	Color
Hex	60C16F
RGB	96, 193, 111
RGB Percent	38%, 76%, 44%
CMY	0.6236, 0.2431, 0.5647
CMYK	0.50, 0.00, 0.42, 0.24
HSL	129°, 44%, 57%
HSV	129°, 50%, 76%
XYZ	26.7609, 41.7744, 21.6902
YIQ	154.6490, -31.4900, -46.0660

Conversions

Conversions Part 2

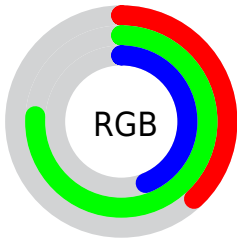
Format	Color
RYB	96, 180, 193
Decimal	6340975
CIELab	70.72, -46.06, 32.70
CIELCh	71, 56.490, 144.626
Yxy	41.7744, 0.2966, 0.4630
Android (android.graphics.Color)	4284531055 (0xFF60C16F)
YUV	154.6490, -21.5190, -51.4352
Hunter-Lab	64.6331, -39.2013, 25.3461

Details

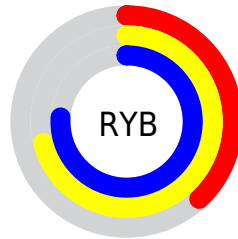
The Yxy color **41.7744, 0.2966, 0.4630** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.9135, 0.3359, 0.2250**, and the grayscale version is **32.7204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7270, 0.3010, 0.4346**, and **19.1704, 0.2867, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **40.5278, 0.2947, 0.4943**, and if you desaturate by 10%, it is **43.3470, 0.2993, 0.4320**.

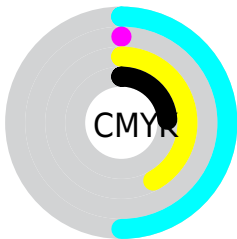
Distribution



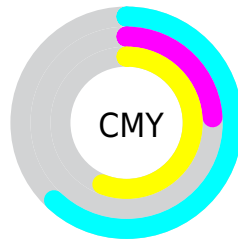
- Red (38%)
- Green (76%)
- Blue (44%)



- Red (38%)
- Yellow (71%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (24%)



- Cyan (62%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7744, 0.2966, 0.4630 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 41.7744, 0.2966, 0.4630 by changing the saturation by 10% instead.


 41.7744, 0.2966,
0.4630


 41.7744, 0.2966,
0.4630

353.5469, 0.3076,
0.3902


 28.9247, 0.2927,
0.4830


 77.8581, 0.3014,
0.4352


 19.0239, 0.2869,
0.5096


 101.8608, 0.3029,
0.4251

 11.6875, 0.2778,
0.5467


 130.3500, 0.3042,
0.4168

 6.5313, 0.2620,
0.6009

 163.7101, 0.3051,
0.4098

 3.1707, 0.2410,
0.7117

202.3254, 0.3059,
0.4038

 1.2215, 0.0025,
0.9975

246.5804, 0.3066,

 0.0792, 0.0000,

0.3987

1.0000

296.8594, 0.3071,
0.3942

■ 0.0000, 0.0000,
0.0000

■ 41.7744, 0.2966,
0.4630

■ 41.7744, 0.2966,
0.4630

■ 40.5278, 0.2947,
0.4943

■ 43.3470, 0.2993,
0.4320

■ 39.5793, 0.2936,
0.5243

■ 45.2610, 0.3024,
0.4025

■ 38.9049, 0.2937,
0.5508

■ 47.5369, 0.3058,
0.3754

■ 38.4744, 0.2948,
0.5722

■ 50.1921, 0.3092,
0.3511

■ 38.2361, 0.2964,
0.5871

■ 53.2429, 0.3126,
0.3296

■ 56.7046, 0.3159,
0.3107

■ 60.5919, 0.3190,
0.2943

■ 64.9184, 0.3219,
0.2802

■ 66.6230, 0.3156,
0.2683

Harmonies

Analogous

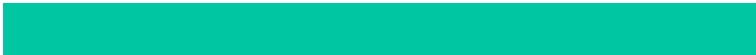
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7744, 0.3741, 0.4784



41.7744, 0.2966, 0.4630



41.7744, 0.2276, 0.3906

Triad

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



41.7744, 0.2966, 0.4630



41.7744, 0.1918, 0.2106



41.7744, 0.4586, 0.3279

Complementary

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



41.7744, 0.2966, 0.4630



22.9135, 0.3359, 0.2250

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.



41.7744, 0.3959, 0.2735



41.7744, 0.2966, 0.4630



41.7744, 0.2387, 0.2091

Square

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



41.7744, 0.2966, 0.4630



41.7744, 0.1736, 0.2404



41.7744, 0.3119, 0.2316



41.7744, 0.4732, 0.3871

Rectangle

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



41.7744, 0.2966, 0.4630



41.7744, 0.1957, 0.3308



41.7744, 0.3119, 0.2316



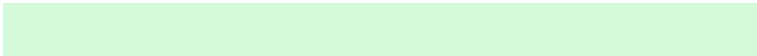
41.7744, 0.4421, 0.3089

Sweetspot

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



41.7761, 0.2966, 0.4630



87.4413, 0.3075, 0.3628



48.5057, 0.3723, 0.4555



18.5456, 0.3068, 0.3681



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.



41.7761, 0.2966, 0.4630



72.4505, 0.2946, 0.4964



43.1333, 0.2672, 0.3822



11.2837, 0.3095, 0.3490



25.4372, 0.2960, 0.5856



1.1073, 0.2860, 0.5498

Inverse Universe

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



22.9135, 0.3359, 0.2250



34.9411, 0.3421, 0.2069



21.3098, 0.4020, 0.2836



10.2199, 0.3161, 0.3098



9.3121, 0.3639, 0.1778



0.4097, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 41.7744, 0.2966, 0.4630 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 41.7744, 0.2966, 0.4630 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 41.7744, 0.2966, 0.4630

Background



This preview shows how black text looks on a background with the Yxy color 41.7744, 0.2966, 0.4630.



This preview shows how white text looks on a background with the Yxy color 41.7744, 0.2966, 0.4630.

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

41.7744, 0.2966, 0.4630

Protanopia

41.1757, 0.3876, 0.4206

Deuteranopia

40.8381, 0.3959, 0.3875



Tritanopia

41.6572, 0.2531, 0.3071

Trichromacy



Original Color

41.7744, 0.2966, 0.4630



Protanomaly

40.6517, 0.3493, 0.4378



Deuteranomaly

39.8971, 0.3537, 0.4157



Tritanomaly

41.5450, 0.2693, 0.3614

Monochromacy



Original Color

41.7744, 0.2966, 0.4630



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.3083, 0.3060, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7744, 0.2966, 0.4630 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(96, 193, 111)` looks like.

```
.text, #text, p{  
  color:rgb(96, 193, 111)  
}
```

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(96, 193, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 193, 111) }
```

Border

The CSS property to change the border of an element to Yxy 41.7744, 0.2966, 0.4630 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(96, 193, 111) }
```

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

```
.border{ border-color:rgb(96, 193, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 193, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 193, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 193, 111); box-shadow:4px 4px 4px 4px rgb(96, 193, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7744, 0.2966, 0.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 193, 111) }
```

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

```
.background{ background-color: rgb(96, 193,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor