

Converting Colors

$Yxy(41.8761, 0.2960, 0.4595)$

Have a look what the booklet for
Yxy(41.8761, 0.2960, 0.4595)
contains.

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Color

Yxy(41.8736, 0.2960, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	61C171
RGB	97, 193, 113
RGB Percent	38%, 76%, 44%
CMY	0.6199, 0.2431, 0.5569
CMYK	0.50, 0.00, 0.41, 0.24
HSL	130°, 44%, 57%
HSV	130°, 50%, 76%
XYZ	26.9741, 41.8736, 22.2809
YIQ	155.1760, -31.5360, -45.2320

Conversions

Conversions Part 2

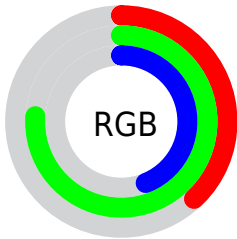
Format	Color
RYB	97, 179, 193
Decimal	6406513
CIELab	70.78, -45.49, 31.77
CIELCh	71, 55.485, 145.069
Yxy	41.8736, 0.2960, 0.4595
Android (android.graphics.Color)	4284596593 (0xFF61C171)
YUV	155.1760, -20.7928, -51.0204
Hunter-Lab	64.7098, -38.8350, 24.8821

Details

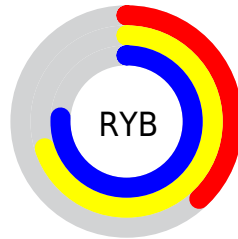
The Yxy color **41.8736, 0.2960, 0.4595** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **23.0472, 0.3370, 0.2272**, and the grayscale version is **32.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8967, 0.3005, 0.4319**, and **19.2287, 0.2864, 0.5042** is the 20% darker color. If you saturate the color by 10%, you get **40.6114, 0.2940, 0.4905**, and if you desaturate by 10%, it is **43.4613, 0.2988, 0.4290**.

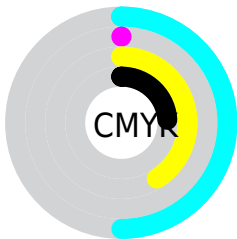
Distribution



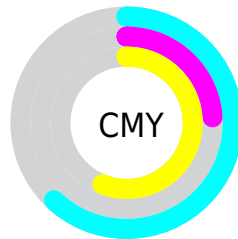
- Red (38%)
- Green (76%)
- Blue (44%)



- Red (38%)
- Yellow (70%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (41%)
- Black (24%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8736, 0.2960, 0.4595 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 41.8736, 0.2960, 0.4595 by changing the saturation by 10% instead.


 41.8736, 0.2960,
0.4595

 41.8736, 0.2960,
0.4595

353.9587, 0.3071,
0.3887

 29.0023, 0.2921,
0.4789


 78.0083, 0.3008,
0.4324


 19.0826, 0.2864,
0.5049


 102.0405, 0.3024,
0.4227

 11.7300, 0.2775,
0.5410


 130.5618, 0.3036,
0.4146

 6.5601, 0.2622,
0.5939

 163.9566, 0.3046,
0.4078

 3.1885, 0.2404,
0.6975

202.6093, 0.3054,
0.4019

 1.2309, 0.0193,
0.9807

246.9043, 0.3061,

 0.0868, 0.0000,

0.3969

1.0000

297.2260, 0.3067,
0.3925

0.0000, 0.0000,
0.0000

41.8736, 0.2960,
0.4595

41.8736, 0.2960,
0.4595

40.6114, 0.2940,
0.4905

43.4613, 0.2988,
0.4290

39.6469, 0.2929,
0.5203

45.3895, 0.3021,
0.4000

38.9567, 0.2929,
0.5471


47.6785, 0.3056,
0.3735

38.5109, 0.2941,
0.5691

50.3456, 0.3092,
0.3497


38.2563, 0.2959,
0.5851


53.4068, 0.3128,
0.3286

 38.2517, 0.2960,
0.5854

 56.8774, 0.3162,
0.3101

 60.7718, 0.3195,
0.2941

 65.1036, 0.3226,
0.2802

 66.6259, 0.3156,
0.2683

Harmonies

Analogous

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



41.8736, 0.3723, 0.4759



41.8736, 0.2960, 0.4595



41.8736, 0.2283, 0.3882

Triad

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



41.8736, 0.2960, 0.4595



41.8736, 0.1941, 0.2123



41.8736, 0.4565, 0.3290

Complementary

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



41.8736, 0.2960, 0.4595



23.0472, 0.3370, 0.2272

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.



41.8736, 0.3955, 0.2752



41.8736, 0.2960, 0.4595



41.8736, 0.2409, 0.2111

Square

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



41.8736, 0.2960, 0.4595



41.8736, 0.1758, 0.2414



41.8736, 0.3133, 0.2336



41.8736, 0.4703, 0.3875

Rectangle

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



41.8736, 0.2960, 0.4595



41.8736, 0.1971, 0.3297



41.8736, 0.3133, 0.2336



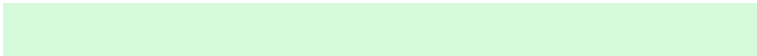
41.8736, 0.4406, 0.3102

Sweetspot

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



41.8753, 0.2960, 0.4595



87.4657, 0.3072, 0.3623



48.3546, 0.3704, 0.4550



18.5514, 0.3065, 0.3675



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.



41.8753, 0.2960, 0.4595



72.4976, 0.2938, 0.4941



43.2559, 0.2666, 0.3790



11.2857, 0.3094, 0.3487



25.4461, 0.2955, 0.5838



1.1082, 0.2850, 0.5461

Inverse Universe

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



23.0472, 0.3370, 0.2272



34.8390, 0.3441, 0.2084



21.4588, 0.4031, 0.2862



10.2177, 0.3163, 0.3100



9.2560, 0.3677, 0.1799



0.4078, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 41.8736, 0.2960, 0.4595 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 41.8736, 0.2960, 0.4595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

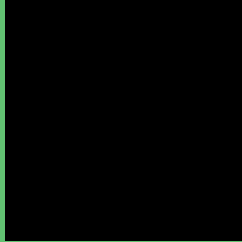
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8736, 0.2960, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 41.8736, 0.2960, 0.4595.



This preview shows how white text looks on a background with the Yxy color 41.8736, 0.2960, 0.4595.

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

41.8736, 0.2960, 0.4595

Protanopia

41.2163, 0.3859, 0.4181

Deuteranopia

41.2455, 0.3935, 0.3863



Tritanopia

41.7261, 0.2537, 0.3071

Trichromacy



Original Color

41.8736, 0.2960, 0.4595



Protanomaly

40.6938, 0.3478, 0.4349



Deuteranomaly

40.0513, 0.3530, 0.4126



Tritanomaly

41.6457, 0.2693, 0.3597

Monochromacy



Original Color

41.8736, 0.2960, 0.4595



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.3377, 0.3052, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8736, 0.2960, 0.4595 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(97, 193, 113)` looks like.

```
.text, #text, p{  
  color:rgb(97, 193, 113)  
}
```

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(97, 193, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 193, 113) }
```

Border

The CSS property to change the border of an element to Yxy 41.8736, 0.2960, 0.4595 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(97, 193, 113) }
```

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

```
.border{ border-color:rgb(97, 193, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 193, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 193, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 193, 113);  
box-shadow:4px 4px 4px 4px rgb(97, 193,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8736, 0.2960, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 193, 113) }
```

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

```
.background{ background-color: rgb(97, 193,  
113) }
```

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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