

Converting Colors

$Yxy(44.9886, 0.2842, 0.4028)$

Have a look what the booklet for
Yxy(44.9886, 0.2842, 0.4028)
contains.

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Color

Yxy(45.0627, 0.2840, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	70C494
RGB	112, 196, 148
RGB Percent	44%, 77%, 58%
CMY	0.5606, 0.2314, 0.4196
CMYK	0.43, 0.00, 0.24, 0.23
HSL	146°, 42%, 60%
HSV	146°, 43%, 77%
XYZ	31.7721, 45.0627, 35.0388
YIQ	165.4120, -34.6560, -32.7360

Conversions

Conversions Part 2

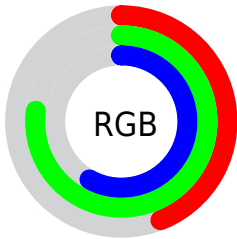
Format	Color
RYB	112, 171, 196
Decimal	7390356
CIELab	72.93, -36.32, 16.28
CIElCh	73, 39.806, 155.861
Yxy	45.0627, 0.2840, 0.4028
Android (android.graphics.Color)	4285580436 (0xFF70C494)
YUV	165.4120, -8.5841, -46.8423
Hunter-Lab	67.1288, -32.9911, 16.0429

Details

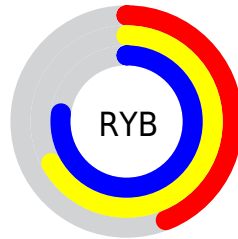
The Yxy color **45.0627, 0.2840, 0.4028** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8757, 0.3591, 0.2661**, and the grayscale version is **37.8962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7303, 0.2897, 0.3883**, and **21.0789, 0.2744, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **43.5771, 0.2793, 0.4241**, and if you desaturate by 10%, it is **46.8662, 0.2898, 0.3829**.

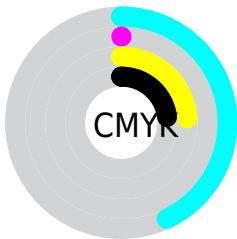
Distribution



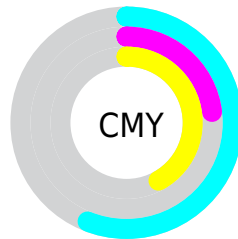
- Red (44%)
- Green (77%)
- Blue (58%)



- Red (44%)
- Yellow (67%)
- Blue (77%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (23%)



- Cyan (56%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0627, 0.2840, 0.4028 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 45.0627, 0.2840, 0.4028 by changing the saturation by 10% instead.


 45.0627, 0.2840,
0.4028

 45.0627, 0.2840,
0.4028


367.0274, 0.2993,
0.3639


 31.5068, 0.2799,
0.4132

 82.8145, 0.2898,
0.3882

 20.9851, 0.2744,
0.4269


 107.7792, 0.2919,
0.3829

 13.1131, 0.2667,
0.4458


 137.3156, 0.2936,
0.3784

 7.5065, 0.2553,
0.4736

171.8082, 0.2951,
0.3746

 3.7808, 0.2368,
0.5180

211.6412, 0.2964,
0.3714

 1.5517, 0.1938,
0.6342

257.1992, 0.2975,

 0.3247, 0.0000,

0.3686

1.0000

308.8665, 0.2984,
0.3661

0.0000, 0.0000,
0.0000

45.0627, 0.2840,
0.4028

45.0627, 0.2840,
0.4028

43.5771, 0.2793,
0.4241

46.8662, 0.2898,
0.3829

42.3846, 0.2760,
0.4462

48.9997, 0.2964,
0.3645

41.4655, 0.2743,
0.4685


51.4814, 0.3034,
0.3478


40.7951, 0.2746,
0.4904


54.3263, 0.3107,
0.3329


40.3440, 0.2768,
0.5110

57.5489, 0.3179,
0.3197

 40.1170, 0.2791,
0.5248

 61.1625, 0.3251,
0.3080

 65.1799, 0.3321,
0.2978

 66.8910, 0.3281,
0.2874

 67.5691, 0.3198,
0.2768

Harmonies

Analogous

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



45.0627, 0.3389, 0.4304



45.0627, 0.2840, 0.4028



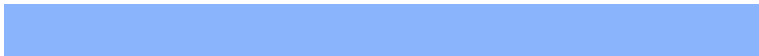
45.0627, 0.2394, 0.3493

Triad

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



45.0627, 0.2840, 0.4028



45.0627, 0.2364, 0.2410



45.0627, 0.4213, 0.3478

Complementary

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



45.0627, 0.2840, 0.4028



25.8757, 0.3591, 0.2661

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.



45.0627, 0.3891, 0.3048



45.0627, 0.2840, 0.4028



45.0627, 0.2791, 0.2460

Square

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



45.0627, 0.2840, 0.4028



45.0627, 0.2142, 0.2567



45.0627, 0.3352, 0.2688



45.0627, 0.4205, 0.3905

Rectangle

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



45.0627, 0.2840, 0.4028



45.0627, 0.2206, 0.3115



45.0627, 0.3352, 0.2688



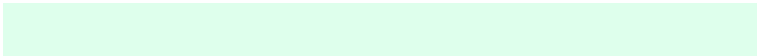
45.0627, 0.4139, 0.3331

Sweetspot

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



45.0645, 0.2840, 0.4028



93.0846, 0.3031, 0.3484



48.2284, 0.3451, 0.4454



19.6973, 0.3015, 0.3520



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.



45.0645, 0.2840, 0.4028



79.1975, 0.2797, 0.4218



46.6007, 0.2591, 0.3390



11.3288, 0.3059, 0.3425



25.7946, 0.2784, 0.5222



1.1283, 0.2659, 0.4773

Inverse Universe

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



25.8757, 0.3591, 0.2661



40.0527, 0.3733, 0.2538



24.6689, 0.4136, 0.3199



10.1722, 0.3202, 0.3159



8.3110, 0.4638, 0.2329



0.3727, 0.4236, 0.2107

Previews

White Background



This preview shows how the Yxy color 45.0627, 0.2840, 0.4028 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 45.0627, 0.2840, 0.4028 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 45.0627, 0.2840, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 45.0627, 0.2840, 0.4028.



This preview shows how white text looks on a background with the Yxy color 45.0627, 0.2840, 0.4028.

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

45.0627, 0.2840, 0.4028

Protanopia

44.6520, 0.3565, 0.3806

Deuteranopia

44.2631, 0.3595, 0.3519



Tritanopia

45.1148, 0.2563, 0.3079

Trichromacy



Original Color

45.0627, 0.2840, 0.4028



Protanomaly

44.3323, 0.3267, 0.3901



Deuteranomaly

43.5348, 0.3283, 0.3693



Tritanomaly

45.1530, 0.2658, 0.3405

Monochromacy



Original Color

45.0627, 0.2840, 0.4028



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.6649, 0.3004, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0627, 0.2840, 0.4028 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(112, 196, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 196, 148)  
}
```

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(112, 196, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 196, 148) }
```

Border

The CSS property to change the border of an element to Yxy 45.0627, 0.2840, 0.4028 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(112, 196, 148) }
```

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

```
.border{ border-color:rgb(112, 196, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 196, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 196, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 196, 148);  
box-shadow:4px 4px 4px 4px rgb(112, 196,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0627, 0.2840, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 196, 148) }
```

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

```
.background{ background-color: rgb(112,  
196, 148) }
```

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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