

Converting Colors

$Yxy(42.9768, 0.3037, 0.4292)$

Have a look what the booklet for
Yxy(42.9768, 0.3037, 0.4292)
contains.

Yxy(42.8589, 0.3036, 0.4288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.8589, 0.3036, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	79BF7F
RGB	121, 191, 127
RGB Percent	47%, 75%, 50%
CMY	0.5255, 0.2510, 0.5020
CMYK	0.37, 0.00, 0.34, 0.25
HSL	125°, 35%, 61%
HSV	125°, 37%, 75%
XYZ	30.3451, 42.8589, 26.7468
YIQ	162.7740, -21.1760, -34.7440

Conversions

Conversions Part 2

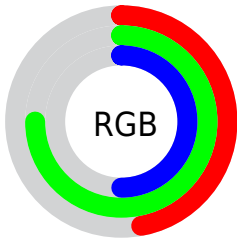
Format	Color
RYB	121, 185, 191
Decimal	7978879
CIELab	71.46, -35.25, 25.53
CIELCh	71, 43.524, 144.078
Yxy	42.8589, 0.3036, 0.4288
Android (android.graphics.Color)	4286168959 (0xFF79BF7F)
YUV	162.7740, -17.6366, -36.6358
Hunter-Lab	65.4667, -31.8286, 21.6034

Details

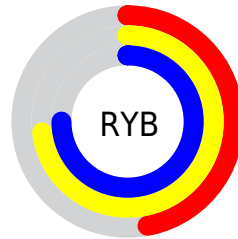
The Yxy color **42.8589, 0.3036, 0.4288** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **28.2533, 0.3232, 0.2462**, and the grayscale version is **36.6054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6602, 0.3066, 0.4090**, and **19.6561, 0.2983, 0.4628** is the 20% darker color. If you saturate the color by 10%, you get **41.1982, 0.3013, 0.4617**, and if you desaturate by 10%, it is **44.8753, 0.3061, 0.3978**.

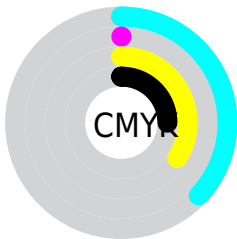
Distribution



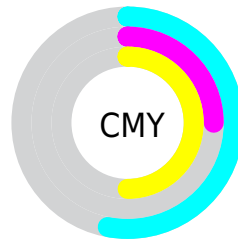
- Red (47%)
- Green (75%)
- Blue (50%)



- Red (47%)
- Yellow (73%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)





- Cyan (53%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8589, 0.3036, 0.4288 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 42.8589, 0.3036, 0.4288 by changing the saturation by 10% instead.

 42.8589, 0.3036,
0.4288


 42.8589, 0.3036,
0.4288


358.0312, 0.3098,
0.3755

 29.7744, 0.3014,
0.4432


 79.4979, 0.3063,
0.4086

 19.6674, 0.2983,
0.4624


 103.8212, 0.3071,
0.4013

 12.1535, 0.2933,
0.4890


 132.6596, 0.3078,
0.3951

 6.8483, 0.2846,
0.5281

166.3974, 0.3084,
0.3900

 3.3674, 0.2683,
0.5910

205.4191, 0.3088,
0.3856

 1.3264, 0.2066,
0.7934

250.1090, 0.3092,

 0.1615, 0.0000,

0.3817

1.0000

300.8516, 0.3095,
0.3784

■ 0.0000, 0.0000,
0.0000

■ 42.8589, 0.3036,
0.4288

■ 42.8589, 0.3036,
0.4288

■ 41.1982, 0.3013,
0.4617

■ 44.8753, 0.3061,
0.3978

■ 39.8675, 0.2994,
0.4950

■ 47.2608, 0.3086,
0.3694

■ 38.8464, 0.2981,
0.5267


■ 50.0343, 0.3111,
0.3441

■ 38.1096, 0.2974,
0.5546


■ 53.2123, 0.3135,
0.3219


■ 37.6282, 0.2976,
0.5765

■ 56.8099, 0.3157,
0.3026

 37.3643, 0.2984,
0.5911

 60.8417, 0.3177,
0.2859

 37.3028, 0.2985,
0.5945

 65.3216, 0.3196,
0.2715

 65.7443, 0.3157,
0.2663

Harmonies

Analogous

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



42.8589, 0.3643, 0.4430



42.8589, 0.3036, 0.4288



42.8589, 0.2484, 0.3768

Triad

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



42.8589, 0.3036, 0.4288



42.8589, 0.2163, 0.2359



42.8589, 0.4235, 0.3299

Complementary

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



42.8589, 0.3036, 0.4288



28.2533, 0.3232, 0.2462

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.



42.8589, 0.3756, 0.2852



42.8589, 0.3036, 0.4288



42.8589, 0.2545, 0.2332

Square

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



42.8589, 0.3036, 0.4288



42.8589, 0.2019, 0.2621



42.8589, 0.3120, 0.2510



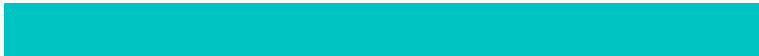
42.8589, 0.4371, 0.3778

Rectangle

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



42.8589, 0.3036, 0.4288



42.8589, 0.2218, 0.3333



42.8589, 0.3120, 0.2510



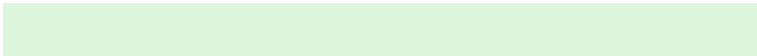
42.8589, 0.4107, 0.3143

Sweetspot

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



42.8607, 0.3036, 0.4288



87.2728, 0.3100, 0.3552



48.9803, 0.3619, 0.4207



19.0151, 0.3097, 0.3587



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.



42.8607, 0.3036, 0.4288



74.3161, 0.3017, 0.4551



43.9315, 0.2803, 0.3729



10.6625, 0.3105, 0.3506



24.5183, 0.2982, 0.5934



0.9650, 0.2915, 0.5695

Inverse Universe

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



28.2533, 0.3232, 0.2462



44.3381, 0.3259, 0.2291



26.9574, 0.3633, 0.2894



9.6818, 0.3150, 0.3083



9.3101, 0.3434, 0.1665



0.3689, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 42.8589, 0.3036, 0.4288 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 42.8589, 0.3036, 0.4288 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 42.8589, 0.3036, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 42.8589, 0.3036, 0.4288.



This preview shows how white text looks on a background with the Yxy color 42.8589, 0.3036, 0.4288.

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

42.8589, 0.3036, 0.4288

Protanopia

42.3195, 0.3723, 0.4013

Deuteranopia

42.2825, 0.3814, 0.3737



Tritanopia

42.6380, 0.2656, 0.3077

Trichromacy



Original Color

42.8589, 0.3036, 0.4288

Protanomaly

41.9651, 0.3446, 0.4108

Deuteranomaly

41.6610, 0.3495, 0.3935

Tritanomaly

42.4223, 0.2790, 0.3482

Monochromacy



Original Color

42.8589, 0.3036, 0.4288

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.3850, 0.3093, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8589, 0.3036, 0.4288 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(121, 191, 127)` looks like.

```
.text, #text, p{  
    color:rgb(121, 191, 127)  
}
```

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(121, 191, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 191, 127) }
```

Border

The CSS property to change the border of an element to Yxy 42.8589, 0.3036, 0.4288 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(121, 191, 127) }
```

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

```
.border{ border-color:rgb(121, 191, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 191, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 191, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 191, 127);  
box-shadow:4px 4px 4px 4px rgb(121, 191,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8589, 0.3036, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 191, 127) }
```

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

```
.background{ background-color: rgb(121,  
191, 127) }
```

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