

Converting Colors

$Yxy(42.4195, 0.2927, 0.4336)$

Have a look what the booklet for
Yxy(42.4195, 0.2927, 0.4336)
contains.

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Color

Yxy(42.2348, 0.2925, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	69C07F
RGB	105, 192, 127
RGB Percent	41%, 75%, 50%
CMY	0.5880, 0.2471, 0.5020
CMYK	0.45, 0.00, 0.34, 0.25
HSL	135°, 41%, 58%
HSV	135°, 45%, 75%
XYZ	28.5107, 42.2348, 26.7269
YIQ	158.5770, -30.9870, -38.6590

Conversions

Conversions Part 2

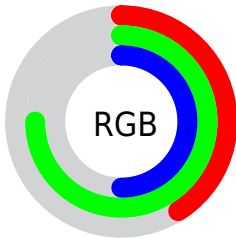
Format	Color
RYB	105, 174, 192
Decimal	6930559
CIELab	71.03, -40.44, 24.83
CIELCh	71, 47.452, 148.448
Yxy	42.2348, 0.2925, 0.4333
Android (android.graphics.Color)	4285120639 (0xFF69C07F)
YUV	158.5770, -15.5675, -46.9870
Hunter-Lab	64.9883, -35.4207, 21.1083

Details

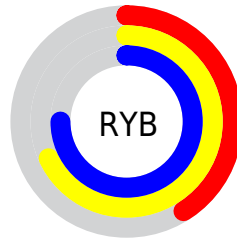
The Yxy color $42.2348, 0.2925, 0.4333$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $24.2249, 0.3432, 0.2442$, and the grayscale version is $34.5572, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.5202, 0.2972, 0.4122$, and $19.3657, 0.2838, 0.4700$ is the 20% darker color. If you saturate the color by 10%, you get $40.8535, 0.2895, 0.4614$, and if you desaturate by 10%, it is $43.9354, 0.2963, 0.4064$.

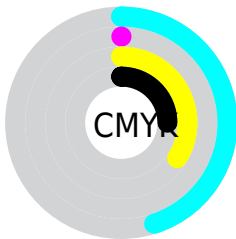
Distribution



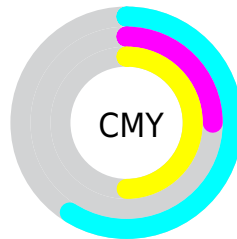
- Red (41%)
- Green (75%)
- Blue (50%)



- Red (41%)
- Yellow (68%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)





- Cyan (59%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2348, 0.2925, 0.4333 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 42.2348, 0.2925, 0.4333 by changing the saturation by 10% instead.

 42.2348, 0.2925,
0.4333

 42.2348, 0.2925,
0.4333


355.4554, 0.3045,
0.3772


 29.2852, 0.2888,
0.4486


 78.5549, 0.2973,
0.4119


 19.2967, 0.2837,
0.4691


 102.6941, 0.2990,
0.4042

 11.8848, 0.2759,
0.4977


 131.3320, 0.3003,
0.3978

 6.6653, 0.2634,
0.5402

 164.8530, 0.3015,
0.3924

 3.2537, 0.2411,
0.6093

203.6414, 0.3024,
0.3877

 1.2656, 0.1207,
0.8793

248.0817, 0.3032,

 0.1143, 0.0000,

0.3837

1.0000

298.5582, 0.3039,
0.3802

■ 0.0000, 0.0000,
0.0000

■ 42.2348, 0.2925,
0.4333

■ 42.2348, 0.2925,
0.4333

■ 40.8535, 0.2895,
0.4614

■ 43.9354, 0.2963,
0.4064

■ 39.7662, 0.2877,
0.4898

■ 45.9684, 0.3007,
0.3815

■ 38.9520, 0.2872,
0.5170


■ 48.3523, 0.3054,
0.3589


■ 38.3851, 0.2882,
0.5416


■ 51.1031, 0.3102,
0.3387

■ 38.0341, 0.2906,
0.5623


■ 54.2354, 0.3149,
0.3209

 37.9148, 0.2918,
0.5706

 57.7632, 0.3195,
0.3053

 61.6998, 0.3239,
0.2917

 65.3582, 0.3253,
0.2794

 66.1776, 0.3156,
0.2673

Harmonies

Analogous

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



42.2348, 0.3588, 0.4549



42.2348, 0.2925, 0.4333



42.2348, 0.2351, 0.3711

Triad

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



42.2348, 0.2925, 0.4333



42.2348, 0.2127, 0.2261



42.2348, 0.4389, 0.3365

Complementary

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



42.2348, 0.2925, 0.4333



24.2249, 0.3432, 0.2442

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.



42.2348, 0.3909, 0.2877



42.2348, 0.2925, 0.4333



42.2348, 0.2571, 0.2270

Square

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



42.2348, 0.2925, 0.4333



42.2348, 0.1934, 0.2499



42.2348, 0.3218, 0.2490



42.2348, 0.4471, 0.3881

Rectangle

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



42.2348, 0.2925, 0.4333



42.2348, 0.2091, 0.3229



42.2348, 0.3218, 0.2490



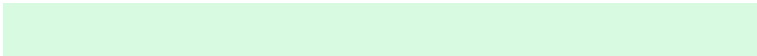
42.2348, 0.4268, 0.3196

Sweetspot

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



42.2365, 0.2925, 0.4333



88.1111, 0.3059, 0.3567



47.2939, 0.3594, 0.4469



18.6858, 0.3049, 0.3613



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.



42.2365, 0.2925, 0.4333



74.1211, 0.2896, 0.4602



43.6165, 0.2653, 0.3620



11.2996, 0.3082, 0.3467



25.5245, 0.2913, 0.5685



1.1144, 0.2785, 0.5226

Inverse Universe

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



24.2249, 0.3432, 0.2442



37.5062, 0.3520, 0.2281



22.8474, 0.4014, 0.2996



10.2027, 0.3175, 0.3119



8.8994, 0.3962, 0.1956



0.3951, 0.3760, 0.1845

Previews

White Background



This preview shows how the Yxy color 42.2348, 0.2925, 0.4333 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 42.2348, 0.2925, 0.4333 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 42.2348, 0.2925, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 42.2348, 0.2925, 0.4333.



This preview shows how white text looks on a background with the Yxy color 42.2348, 0.2925, 0.4333.

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

42.2348, 0.2925, 0.4333

Protanopia

41.7838, 0.3727, 0.4017

Deuteranopia

41.6624, 0.3789, 0.3715



Tritanopia

42.0091, 0.2561, 0.3073

Trichromacy



Original Color

42.2348, 0.2925, 0.4333



Protanomaly

41.2158, 0.3389, 0.4140



Deuteranomaly

40.5141, 0.3423, 0.3922



Tritanomaly

41.7412, 0.2691, 0.3501

Monochromacy



Original Color

42.2348, 0.2925, 0.4333



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.7214, 0.3039, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2348, 0.2925, 0.4333 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(105, 192, 127)` looks like.

```
.text, #text, p{  
    color:rgb(105, 192, 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(105, 192, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 192, 127) }
```

Border

The CSS property to change the border of an element to Yxy 42.2348, 0.2925, 0.4333 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(105, 192, 127) }
```

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

```
.border{ border-color:rgb(105, 192, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 192, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 192, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 192, 127);  
box-shadow:4px 4px 4px 4px rgb(105, 192,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2348, 0.2925, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 192, 127) }
```

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

```
.background{ background-color: rgb(105,  
192, 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](#).

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