

Converting Colors

Yxy(57.6390, 0.2993, 0.4312)

Have a look what the booklet for
Yxy(57.6390, 0.2993, 0.4312)
contains.

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Color

Yxy(57.6439, 0.2990, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	84DB92
RGB	132, 219, 146
RGB Percent	52%, 86%, 57%
CMY	0.4824, 0.1412, 0.4274
CMYK	0.40, 0.00, 0.33, 0.14
HSL	130°, 55%, 69%
HSV	130°, 40%, 86%
XYZ	40.0361, 57.6439, 36.2199
YIQ	184.6650, -28.4190, -41.1470

Conversions

Conversions Part 2

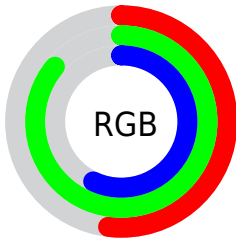
Format	Color
RYB	132, 207, 219
Decimal	8706962
CIELab	80.54, -41.32, 27.87
CIELCh	81, 49.838, 145.996
Yxy	57.6439, 0.2990, 0.4305
Android (android.graphics.Color)	4286897042 (0xFF84DB92)
YUV	184.6650, -19.0618, -46.1872
Hunter-Lab	75.9236, -38.7395, 24.8618

Details

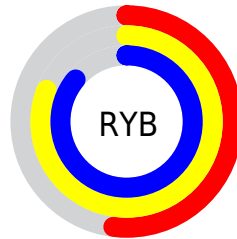
The Yxy color **57.6439, 0.2990, 0.4305** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.9678, 0.3308, 0.2454**, and the grayscale version is **48.4409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3815, 0.3027, 0.3907**, and **28.5984, 0.2929, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **55.5357, 0.2963, 0.4615**, and if you desaturate by 10%, it is **60.2194, 0.3022, 0.4011**.

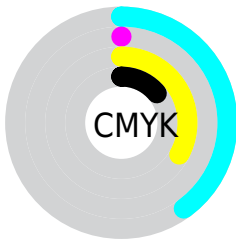
Distribution



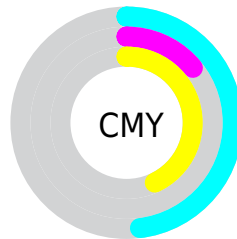
- Red (52%)
- Green (86%)
- Blue (57%)



- Red (52%)
- Yellow (81%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (14%)




- Cyan (48%)
- Magenta (14%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6439, 0.2990, 0.4305 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 57.6439, 0.2990, 0.4305 by changing the saturation by 10% instead.


 57.6439, 0.2990,
0.4305


 57.6439, 0.2990,
0.4305


415.8577, 0.3072,
0.3787


 41.5224, 0.2965,
0.4437

 101.4041, 0.3023,
0.4115

 28.7275, 0.2931,
0.4607

 129.8117, 0.3034,
0.4044

 18.8748, 0.2882,
0.4834


 163.0833, 0.3044,
0.3984

 11.5798, 0.2805,
0.5152

201.6036, 0.3051,
0.3933

 6.4583, 0.2676,
0.5623

245.7567, 0.3058,
0.3889

 3.1257, 0.2461,
0.6451

295.9272, 0.3063,

 1.1977, 0.0774,

0.3850

0.9226

352.4994, 0.3068,
0.3817

0.0598, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.6439, 0.2990,
0.4305

57.6439, 0.2990,
0.4305

55.5357, 0.2963,
0.4615

60.2194, 0.3022,
0.4011

53.8597, 0.2943,
0.4929

63.2803, 0.3057,
0.3741

52.5876, 0.2932,
0.5230

66.8527, 0.3093,
0.3499

51.6845, 0.2933,
0.5498

70.9585, 0.3128,
0.3285

■ 51.1095, 0.2945,
0.5714

■ 75.6186, 0.3162,
0.3098

■ 50.7953, 0.2964,
0.5868

■ 79.1452, 0.3144,
0.2940

■ 50.7885, 0.2964,
0.5872

Harmonies

Analogous

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



57.6439, 0.3620, 0.4477



57.6439, 0.2990, 0.4305



57.6439, 0.2429, 0.3744

Triad

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



57.6439, 0.2990, 0.4305



57.6439, 0.2150, 0.2319



57.6439, 0.4297, 0.3327

Complementary

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



57.6439, 0.2990, 0.4305



35.9678, 0.3308, 0.2454

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.



57.6439, 0.3819, 0.2864



57.6439, 0.2990, 0.4305



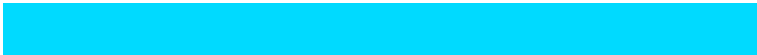
57.6439, 0.2557, 0.2307

Square

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



57.6439, 0.2990, 0.4305



57.6439, 0.1985, 0.2571



57.6439, 0.3160, 0.2503



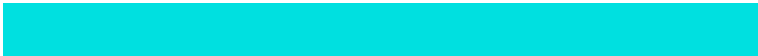
57.6439, 0.4411, 0.3821

Rectangle

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



57.6439, 0.2990, 0.4305



57.6439, 0.2166, 0.3290



57.6439, 0.3160, 0.2503



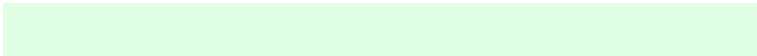
57.6439, 0.4172, 0.3166

Sweetspot

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



57.6463, 0.2990, 0.4305



93.1072, 0.3084, 0.3554



65.4460, 0.3616, 0.4307



19.7825, 0.3080, 0.3585



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.



57.6463, 0.2990, 0.4305



78.7522, 0.2966, 0.4574



59.2248, 0.2745, 0.3697



14.6403, 0.3094, 0.3492



30.1245, 0.2959, 0.5854



1.9624, 0.2885, 0.5585

Inverse Universe

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



35.9678, 0.3308, 0.2454



43.9390, 0.3358, 0.2284



34.1860, 0.3767, 0.2925



13.2369, 0.3162, 0.3096



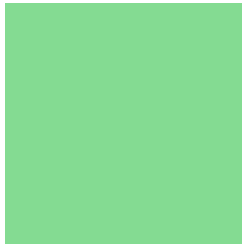
10.9877, 0.3662, 0.1791



0.7217, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 57.6439, 0.2990, 0.4305 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 57.6439, 0.2990, 0.4305 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 57.6439, 0.2990, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 57.6439, 0.2990, 0.4305.



This preview shows how white text looks on a background with the Yxy color 57.6439, 0.2990, 0.4305.

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

57.6439, 0.2990, 0.4305

Protanopia

57.1001, 0.3731, 0.4022

Deuteranopia

56.8522, 0.3800, 0.3731



Tritanopia

57.4815, 0.2618, 0.3076

Trichromacy



Original Color

57.6439, 0.2990, 0.4305



Protanomaly

56.3504, 0.3432, 0.4132



Deuteranomaly

55.7111, 0.3465, 0.3927



Tritanomaly

57.4594, 0.2753, 0.3500

Monochromacy



Original Color

57.6439, 0.2990, 0.4305



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.9798, 0.3072, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6439, 0.2990, 0.4305 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(132, 219, 146)` looks like.

```
.text, #text, p{  
    color:rgb(132, 219, 146)  
}
```

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(132, 219, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 219, 146) }
```

Border

The CSS property to change the border of an element to Yxy 57.6439, 0.2990, 0.4305 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(132, 219, 146) }
```

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

```
.border{ border-color:rgb(132, 219, 146) }
```

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

Here you see how a box with a 4 pixel rgb(132, 219, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 219, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 219, 146);  
box-shadow:4px 4px 4px 4px rgb(132, 219,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6439, 0.2990, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 219, 146) }
```

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

```
.background{ background-color: rgb(132,  
219, 146) }
```

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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