

Converting Colors

Yxy(58.9668, 0.2971, 0.4263)

Have a look what the booklet for
Yxy(58.9668, 0.2971, 0.4263)
contains.

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Color

Yxy(58.9015, 0.2974, 0.4268)

Conversions

Conversions Part 1

Format	Color
Hex	85DD96
RGB	133, 221, 150
RGB Percent	52%, 87%, 59%
CMY	0.4781, 0.1334, 0.4117
CMYK	0.40, 0.00, 0.32, 0.13
HSL	132°, 56%, 69%
HSV	132°, 40%, 87%
XYZ	41.0434, 58.9015, 38.0624
YIQ	186.5940, -29.6570, -40.7370

Conversions

Conversions Part 2

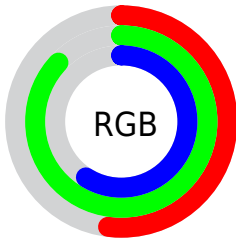
Format	Color
RYB	133, 207, 221
Decimal	8773014
CIELab	81.24, -41.20, 26.76
CIElCh	81, 49.131, 146.995
Yxy	58.9015, 0.2974, 0.4268
Android (android.graphics.Color)	4286963094 (0xFF85DD96)
YUV	186.5940, -18.0408, -47.0019
Hunter-Lab	76.7473, -38.8486, 24.3186

Details

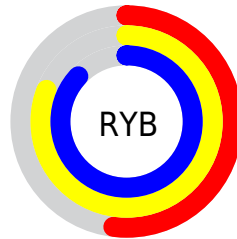
The Yxy color **58.9015, 0.2974, 0.4268** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.5291, 0.3335, 0.2480**, and the grayscale version is **49.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7466, 0.3006, 0.3848**, and **29.4308, 0.2910, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **56.7574, 0.2944, 0.4568**, and if you desaturate by 10%, it is **61.5165, 0.3010, 0.3985**.

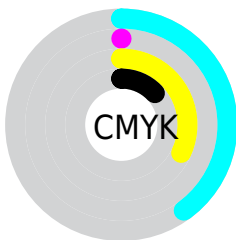
Distribution



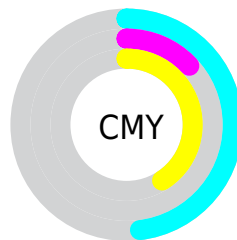
- Red (52%)
- Green (87%)
- Blue (59%)



- Red (52%)
- Yellow (81%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (13%)





- Cyan (48%)
- Magenta (13%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9015, 0.2974, 0.4268 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 58.9015, 0.2974, 0.4268 by changing the saturation by 10% instead.


 58.9015, 0.2974,
0.4268


 58.9015, 0.2974,
0.4268


420.5368, 0.3063,
0.3771


 42.5338, 0.2948,
0.4394


 103.2345, 0.3009,
0.4086

 29.5195, 0.2913,
0.4556


 131.9686, 0.3021,
0.4018

 19.4742, 0.2863,
0.4772


 165.5937, 0.3031,
0.3960

 12.0134, 0.2787,
0.5074

204.4940, 0.3040,
0.3911

 6.7528, 0.2662,
0.5519

249.0542, 0.3047,
0.3869

 3.3080, 0.2442,
0.6256

299.6584, 0.3053,

 1.2946, 0.1200,

0.3832

0.8800

356.6911, 0.3058,
0.3800

■ 0.1370, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9015, 0.2974,
0.4268

■ 58.9015, 0.2974,
0.4268

■ 56.7574, 0.2944,
0.4568

■ 61.5165, 0.3010,
0.3985

■ 55.0490, 0.2923,
0.4873


■ 64.6205, 0.3048,
0.3725


■ 53.7478, 0.2912,
0.5168


■ 68.2397, 0.3088,
0.3492


■ 52.8189, 0.2915,
0.5436


■ 72.3961, 0.3128,
0.3286

 52.2210, 0.2929,
0.5658

 77.1107, 0.3166,
0.3105

 51.8862, 0.2952,
0.5824

 80.1890, 0.3143,
0.2960

 51.8803, 0.2952,
0.5827

Harmonies

Analogous

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



58.9015, 0.3592, 0.4453



58.9015, 0.2974, 0.4268



58.9015, 0.2429, 0.3712

Triad

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



58.9015, 0.2974, 0.4268



58.9015, 0.2178, 0.2334



58.9015, 0.4283, 0.3344

Complementary

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



58.9015, 0.2974, 0.4268



36.5291, 0.3335, 0.2480

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.



58.9015, 0.3824, 0.2886



58.9015, 0.2974, 0.4268



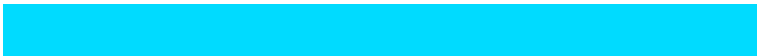
58.9015, 0.2586, 0.2329

Square

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



58.9015, 0.2974, 0.4268



58.9015, 0.2007, 0.2574



58.9015, 0.3182, 0.2527



58.9015, 0.4382, 0.3829

Rectangle

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



58.9015, 0.2974, 0.4268



58.9015, 0.2175, 0.3269



58.9015, 0.3182, 0.2527



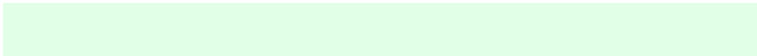
58.9015, 0.4164, 0.3185

Sweetspot

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



58.9040, 0.2974, 0.4268



93.1610, 0.3079, 0.3544



66.3659, 0.3593, 0.4317



19.7950, 0.3074, 0.3574



0.0000, 0.0000, 0.0000



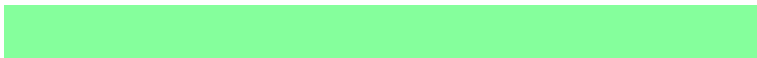
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.9040, 0.2974, 0.4268



78.8802, 0.2948, 0.4525



60.5587, 0.2729, 0.3657



14.6470, 0.3090, 0.3484



30.1528, 0.2946, 0.5806



1.9656, 0.2864, 0.5511

Inverse Universe

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



36.5291, 0.3335, 0.2480



43.7194, 0.3394, 0.2316



34.7369, 0.3802, 0.2959



13.2296, 0.3167, 0.3103



10.8235, 0.3763, 0.1846



0.7125, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 58.9015, 0.2974, 0.4268 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 58.9015, 0.2974, 0.4268 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 58.9015, 0.2974, 0.4268

Background



This preview shows how black text looks on a background with the Yxy color 58.9015, 0.2974, 0.4268.



This preview shows how white text looks on a background with the Yxy color 58.9015, 0.2974, 0.4268.

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

58.9015, 0.2974, 0.4268

Protanopia

58.4481, 0.3710, 0.3993

Deuteranopia

58.2024, 0.3777, 0.3705



Tritanopia

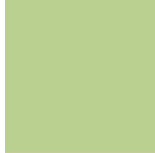
58.5795, 0.2610, 0.3077

Trichromacy



Original Color

58.9015, 0.2974, 0.4268



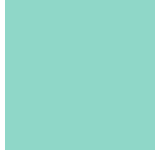
Protanomaly

57.5645, 0.3408, 0.4101



Deuteranomaly

57.0507, 0.3447, 0.3896



Tritanomaly

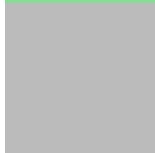
58.6106, 0.2738, 0.3485

Monochromacy



Original Color

58.9015, 0.2974, 0.4268



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.1183, 0.3058, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9015, 0.2974, 0.4268 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(133, 221, 150)` looks like.

```
.text, #text, p{  
    color:rgb(133, 221, 150)  
}
```

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(133, 221, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 221, 150) }
```

Border

The CSS property to change the border of an element to Yxy 58.9015, 0.2974, 0.4268 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(133, 221, 150) }
```

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

```
.border{ border-color:rgb(133, 221, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 221, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 221, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 221, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 221,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9015, 0.2974, 0.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 221, 150) }
```

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

```
.background{ background-color: rgb(133,  
221, 150) }
```

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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