

Converting Colors

Yxy(58.7595, 0.2954, 0.4217)

Have a look what the booklet for
Yxy(58.7595, 0.2954, 0.4217)
contains.

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Color

Yxy(58.9994, 0.2956, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	85DD99
RGB	133, 221, 153
RGB Percent	52%, 87%, 60%
CMY	0.4785, 0.1333, 0.3998
CMYK	0.40, 0.00, 0.31, 0.13
HSL	134°, 56%, 69%
HSV	134°, 40%, 87%
XYZ	41.2786, 58.9994, 39.3655
YIQ	186.9360, -30.6200, -39.8040

Conversions

Conversions Part 2

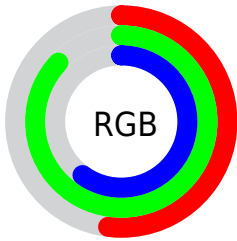
Format	Color
RYB	133, 205, 221
Decimal	8773017
CIELab	81.29, -40.71, 25.27
CIELCh	81, 47.916, 148.178
Yxy	58.9994, 0.2956, 0.4225
Android (android.graphics.Color)	4286963097 (0xFF85DD99)
YUV	186.9360, -16.7304, -47.3019
Hunter-Lab	76.8111, -38.4926, 23.3817

Details

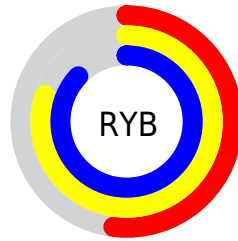
The Yxy color **58.9994, 0.2956, 0.4225** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.3560, 0.3367, 0.2511**, and the grayscale version is **49.7650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8929, 0.2990, 0.3813**, and **29.4696, 0.2896, 0.4505** is the 20% darker color. If you saturate the color by 10%, you get **56.8644, 0.2923, 0.4512**, and if you desaturate by 10%, it is **61.5984, 0.2995, 0.3955**.

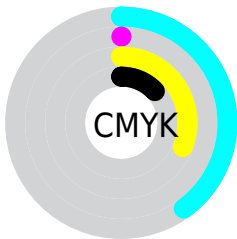
Distribution



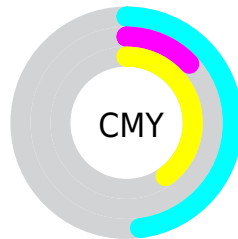
- Red (52%)
- Green (87%)
- Blue (60%)



- Red (52%)
- Yellow (80%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (13%)




- Cyan (48%)
- Magenta (13%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9994, 0.2956, 0.4225 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 58.9994, 0.2956, 0.4225 by changing the saturation by 10% instead.


 58.9994, 0.2956,
0.4225


 58.9994, 0.2956,
0.4225


420.8997, 0.3052,
0.3750


 42.6126, 0.2929,
0.4345

 103.3768, 0.2993,
0.4051

 29.5813, 0.2893,
0.4500


 132.1362, 0.3006,
0.3986

 19.5210, 0.2841,
0.4706


 165.7886, 0.3017,
0.3932

 12.0473, 0.2765,
0.4994

204.7185, 0.3027,
0.3885

 6.7759, 0.2640,
0.5420

249.3101, 0.3034,
0.3844

 3.3224, 0.2418,
0.6110

299.9479, 0.3041,

 1.3023, 0.1298,

0.3809

0.8702

357.0163, 0.3047,
0.3778

0.1430, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.9994, 0.2956,
0.4225

58.9994, 0.2956,
0.4225

56.8644, 0.2923,
0.4512

61.5984, 0.2995,
0.3955

55.1586, 0.2900,
0.4807


64.6790, 0.3038,
0.3707

53.8542, 0.2889,
0.5094

68.2669, 0.3083,
0.3484


52.9168, 0.2892,
0.5360


72.3838, 0.3128,
0.3287

 52.3060, 0.2909,
0.5587

 77.0502, 0.3172,
0.3114

 51.9544, 0.2935,
0.5764

 80.1960, 0.3143,
0.2960

 51.9495, 0.2935,
0.5767

Harmonies

Analogous

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



58.9994, 0.3560, 0.4423



58.9994, 0.2956, 0.4225



58.9994, 0.2429, 0.3676

Triad

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



58.9994, 0.2956, 0.4225



58.9994, 0.2210, 0.2351



58.9994, 0.4264, 0.3364

Complementary

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



58.9994, 0.2956, 0.4225



36.3560, 0.3367, 0.2511

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.



58.9994, 0.3829, 0.2912



58.9994, 0.2956, 0.4225



58.9994, 0.2619, 0.2354

Square

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



58.9994, 0.2956, 0.4225



58.9994, 0.2034, 0.2578



58.9994, 0.3207, 0.2555



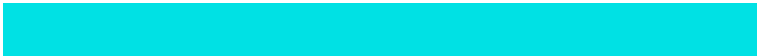
58.9994, 0.4347, 0.3838

Rectangle

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



58.9994, 0.2956, 0.4225



58.9994, 0.2186, 0.3247



58.9994, 0.3207, 0.2555



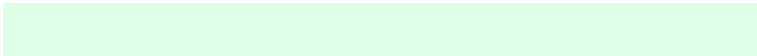
58.9994, 0.4153, 0.3207

Sweetspot

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



59.0019, 0.2956, 0.4225



93.2220, 0.3073, 0.3532



65.9560, 0.3571, 0.4327



19.8093, 0.3067, 0.3561



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.



59.0019, 0.2956, 0.4225



79.0295, 0.2928, 0.4470



60.6891, 0.2712, 0.3617



14.6546, 0.3085, 0.3476



30.1907, 0.2929, 0.5743



1.9691, 0.2842, 0.5431

Inverse Universe

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



36.3560, 0.3367, 0.2511



43.4775, 0.3435, 0.2354



34.6075, 0.3837, 0.2993



13.2214, 0.3172, 0.3111



10.6478, 0.3882, 0.1912



0.7025, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 58.9994, 0.2956, 0.4225 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 58.9994, 0.2956, 0.4225 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 58.9994, 0.2956, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 58.9994, 0.2956, 0.4225.



This preview shows how white text looks on a background with the Yxy color 58.9994, 0.2956, 0.4225.

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

58.9994, 0.2956, 0.4225

Protanopia

58.3858, 0.3679, 0.3960

Deuteranopia

58.1356, 0.3744, 0.3673



Tritanopia

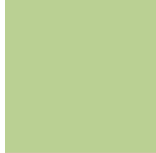
58.5795, 0.2610, 0.3077

Trichromacy



Original Color

58.9994, 0.2956, 0.4225



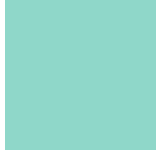
Protanomaly

57.6574, 0.3387, 0.4062



Deuteranomaly

57.0165, 0.3416, 0.3860



Tritanomaly

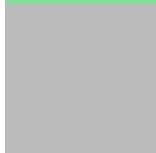
58.6576, 0.2732, 0.3471

Monochromacy



Original Color

58.9994, 0.2956, 0.4225



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.1575, 0.3051, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9994, 0.2956, 0.4225 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(133, 221, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 221, 153) }
```

Border

The CSS property to change the border of an element to Yxy 58.9994, 0.2956, 0.4225 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, 153) }
```

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

```
.border{ border-color:rgb(133, 221, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 221, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 221, 153);  
box-shadow:4px 4px 4px 4px rgb(133, 221,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9994, 0.2956, 0.4225 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, 153) }
```

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

```
.background{ background-color: rgb(133,  
221, 153) }
```

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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