

Converting Colors

$Y_{xy}(58.2356, 0.2554, 0.3735)$

Have a look what the booklet for
Yxy(58.2356, 0.2554, 0.3735)
contains.

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Color

Yxy(58.2356, 0.2554, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	5CDEBE
RGB	92, 222, 190
RGB Percent	36%, 87%, 75%
CMY	0.6396, 0.1294, 0.2549
CMYK	0.59, 0.00, 0.14, 0.13
HSL	165°, 66%, 62%
HSV	165°, 59%, 87%
XYZ	39.8216, 58.2356, 57.8614
YIQ	179.4820, -67.2080, -37.5120

Conversions

Conversions Part 2

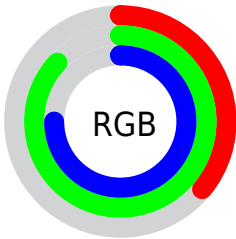
Format	Color
R_{YB}	92, 166, 222
Decimal	6086334
CIE _{Lab}	80.87, -43.40, 5.02
CIE _{LCh}	81, 43.694, 173.403
Yxy	58.2356, 0.2554, 0.3735
Android (android.graphics.Color)	4284276414 (0xFF5CDEBE)
YUV	179.4820, 5.1854, -76.7217
Hunter-Lab	76.3123, -40.4007, 8.4638

Details

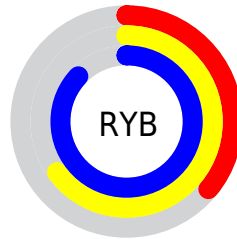
The Yxy color **58.2356, 0.2554, 0.3735** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **24.6203, 0.4473, 0.2931**, and the grayscale version is **45.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9461, 0.2615, 0.3390**, and **29.0850, 0.2404, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **57.0244, 0.2505, 0.3826**, and if you desaturate by 10%, it is **59.7951, 0.2621, 0.3647**.

Distribution



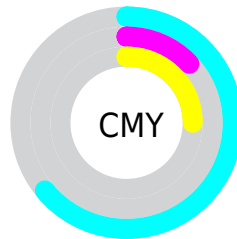
- Red (36%)
- Green (87%)
- Blue (75%)



- Red (36%)
- Yellow (65%)
- Blue (87%)



- Cyan (59%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)




- Cyan (64%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2356, 0.2554, 0.3735 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 58.2356, 0.2554, 0.3735 by changing the saturation by 10% instead.


 58.2356, 0.2554,
0.3735

 58.2356, 0.2554,
0.3735


418.0633, 0.2831,
0.3517


 41.9981, 0.2488,
0.3788

 102.2659, 0.2652,
0.3657


 29.0998, 0.2405,
0.3856


 130.8274, 0.2690,
0.3627

 19.1563, 0.2298,
0.3944


 164.2658, 0.2722,
0.3602

 11.7833, 0.2153,
0.4066

 202.9653, 0.2750,
0.3580

 6.5963, 0.1951,
0.4240

247.3104, 0.2774,
0.3561

 3.2109, 0.1647,
0.4513

297.6855, 0.2795,

 1.2428, 0.0368,

0.3544

354.4750, 0.2814,
0.3530

0.5436

0.0963, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.2356, 0.2554,
0.3735

58.2356, 0.2554,
0.3735

57.0244, 0.2505,
0.3826

59.7951, 0.2621,
0.3647

56.1243, 0.2476,
0.3918


61.7228, 0.2705,
0.3563


55.5018, 0.2466,
0.4010

64.0449, 0.2802,
0.3484


55.1033, 0.2474,
0.4101

66.7833, 0.2909,
0.3410


 55.0551, 0.2476,
0.4114

 69.9585, 0.3024,
0.3343

 73.5893, 0.3144,
0.3282

 77.6937, 0.3266,
0.3227

 79.4329, 0.3284,
0.3175

 79.7511, 0.3247,
0.3121

Harmonies

Analogous

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



58.2356, 0.3063, 0.4193



58.2356, 0.2554, 0.3735



58.2356, 0.2217, 0.3158

Triad

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



58.2356, 0.2554, 0.3735



58.2356, 0.2588, 0.2409



58.2356, 0.4258, 0.3736

Complementary

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



58.2356, 0.2554, 0.3735



24.6203, 0.4473, 0.2931

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.



58.2356, 0.4124, 0.3295



58.2356, 0.2554, 0.3735



58.2356, 0.3110, 0.2569

Square

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



58.2356, 0.2554, 0.3735



58.2356, 0.2239, 0.2443



58.2356, 0.3687, 0.2883



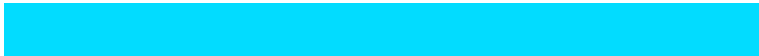
58.2356, 0.4060, 0.4121

Rectangle

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



58.2356, 0.2554, 0.3735



58.2356, 0.2119, 0.2827



58.2356, 0.3687, 0.2883



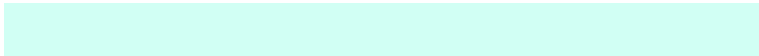
58.2356, 0.4252, 0.3591

Sweetspot

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



58.2379, 0.2554, 0.3735



91.6040, 0.2915, 0.3407



57.3375, 0.3223, 0.5074



19.3570, 0.2882, 0.3428



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.



58.2379, 0.2554, 0.3735



77.7850, 0.2498, 0.3844



44.1482, 0.2304, 0.2834



15.5117, 0.3014, 0.3348



32.7155, 0.2472, 0.4100



2.2816, 0.2433, 0.3960

Inverse Universe

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



24.6203, 0.4473, 0.2931



27.8639, 0.4928, 0.2905



30.8243, 0.4674, 0.3664



13.7556, 0.3254, 0.3233



9.4007, 0.5934, 0.3043



0.6657, 0.5496, 0.2801

Previews

White Background



This preview shows how the Yxy color 58.2356, 0.2554, 0.3735 looks on a white background.

Color Contrast Check

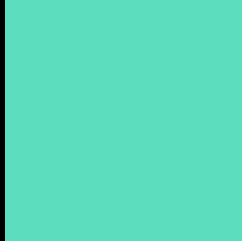
Large Text (above 18pt) WCAG AA × Fail

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 58.2356, 0.2554, 0.3735 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

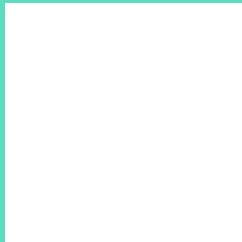
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2356, 0.2554, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 58.2356, 0.2554, 0.3735.



This preview shows how white text looks on a background with the Yxy color 58.2356, 0.2554, 0.3735.

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

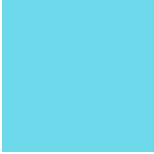
58.2356, 0.2554, 0.3735

Protanopia

57.4711, 0.3357, 0.3541

Deuteranopia

57.3411, 0.3325, 0.3256



Tritanopia

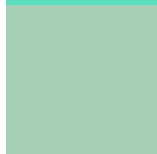
58.1831, 0.2398, 0.3069

Trichromacy



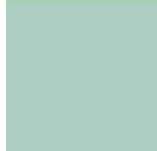
Original Color

58.2356, 0.2554, 0.3735



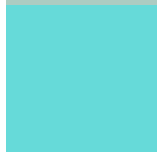
Protanomaly

56.1100, 0.2994, 0.3615



Deuteranomaly

55.9650, 0.2965, 0.3416



Tritanomaly

57.9773, 0.2453, 0.3301

Monochromacy



Original Color

58.2356, 0.2554, 0.3735



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.6522, 0.2847, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2356, 0.2554, 0.3735 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(92, 222, 190)` looks like.

```
.text, #text, p{  
    color:rgb(92, 222, 190)  
}
```

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(92, 222, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 222, 190) }
```

Border

The CSS property to change the border of an element to Yxy 58.2356, 0.2554, 0.3735 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(92, 222, 190) }
```

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

```
.border{ border-color:rgb(92, 222, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 222, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 222, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 222, 190);  
box-shadow:4px 4px 4px 4px rgb(92, 222,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2356, 0.2554, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 222, 190) }
```

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

```
.background{ background-color: rgb(92, 222,  
190) }
```

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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