

Converting Colors

$Yxy(59.1320, 0.2301, 0.3145)$

Have a look what the booklet for
Yxy(59.1320, 0.2301, 0.3145)
contains.

Yxy(58.9556, 0.2301, 0.3143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.9556, 0.2301, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	49DDE8
RGB	73, 221, 232
RGB Percent	29%, 87%, 91%
CMY	0.7144, 0.1333, 0.0901
CMYK	0.69, 0.05, 0.00, 0.09
HSL	184°, 78%, 60%
HSV	184°, 69%, 91%
XYZ	43.1616, 58.9556, 85.4603
YIQ	178.0020, -91.7390, -27.9550

Conversions

Conversions Part 2

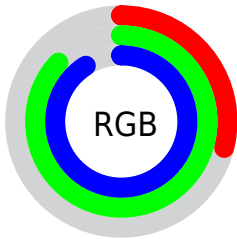
Format	Color
RYB	73, 150, 232
Decimal	4840936
CIELab	81.27, -34.94, -16.78
CIElCh	81, 38.761, 205.660
Yxy	58.9556, 0.2301, 0.3143
Android (android.graphics.Color)	4283031016 (0xFF49DDE8)
YUV	178.0020, 26.6210, -92.0868
Hunter-Lab	76.7826, -34.0297, -12.2430

Details

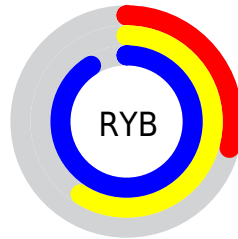
The Yxy color **58.9556, 0.2301, 0.3143** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.9530, 0.5338, 0.3397**, and the grayscale version is **44.3928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **30.0449, 0.2193, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **57.3737, 0.2246, 0.3119**, and if you desaturate by 10%, it is **60.8875, 0.2376, 0.3167**.

Distribution



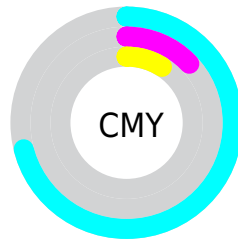
- Red (29%)
- Green (87%)
- Blue (91%)



- Red (29%)
- Yellow (59%)
- Blue (91%)



- Cyan (69%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)




- Cyan (71%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9556, 0.2301, 0.3143 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 58.9556, 0.2301, 0.3143 by changing the saturation by 10% instead.


 58.9556, 0.2301,
0.3143

 58.9556, 0.2301,
0.3143


420.7374, 0.2685,
0.3226


 42.5774, 0.2214,
0.3120


 103.3131, 0.2434,
0.3175


 29.5537, 0.2106,
0.3090


 132.0612, 0.2486,
0.3186

 19.5001, 0.1971,
0.3049


 165.7014, 0.2531,
0.3196

 12.0322, 0.1798,
0.2989

 204.6181, 0.2569,
0.3204

 6.7656, 0.1567,
0.2898

249.1956, 0.2604,
0.3211

 3.3159, 0.1251,
0.2747

299.8184, 0.2634,

 1.2988, 0.0644,

0.3216

356.8708, 0.2661,
0.3221

0.2514

0.1403, 0.0000,
0.0927

0.0000, 0.0000,
0.0000

58.9556, 0.2301,
0.3143

58.9556, 0.2301,
0.3143

57.3737, 0.2246,
0.3119

60.8875, 0.2376,
0.3167

56.0954, 0.2209,
0.3096


63.1967, 0.2470,
0.3190

55.0641, 0.2188,
0.3073


65.9149, 0.2581,
0.3213


54.9288, 0.2186,
0.3070


69.0688, 0.2707,
0.3235

 72.6829, 0.2846,
0.3255

 76.7796, 0.2994,
0.3275

 81.3801, 0.3149,
0.3292

 85.8440, 0.3283,
0.3308

 86.7605, 0.3281,
0.3324

Harmonies

Analogous

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



58.9556, 0.2592, 0.3645



58.9556, 0.2301, 0.3143



58.9556, 0.2219, 0.2741

Triad

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



58.9556, 0.2301, 0.3143



58.9556, 0.3154, 0.2661



58.9556, 0.3935, 0.4054

Complementary

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



58.9556, 0.2301, 0.3143



23.9530, 0.5338, 0.3397

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.



58.9556, 0.4125, 0.3726



58.9556, 0.2301, 0.3143



58.9556, 0.3658, 0.2954

Square

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



58.9556, 0.2301, 0.3143



58.9556, 0.2680, 0.2506



58.9556, 0.4025, 0.3331



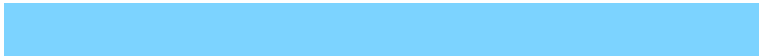
58.9556, 0.3531, 0.4200

Rectangle

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



58.9556, 0.2301, 0.3143



58.9556, 0.2283, 0.2575



58.9556, 0.4025, 0.3331



58.9556, 0.4027, 0.3959

Sweetspot

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



58.9578, 0.2301, 0.3143



88.8811, 0.2810, 0.3250



59.7644, 0.2989, 0.5384



18.7544, 0.2772, 0.3245



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.



58.9578, 0.2301, 0.3143



70.4413, 0.2230, 0.3110



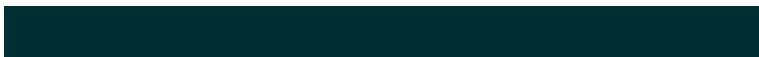
26.5279, 0.2018, 0.1987



16.1568, 0.2982, 0.3273



30.5659, 0.2187, 0.3073



2.3102, 0.2197, 0.3107

Inverse Universe

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



27.1234, 0.3315, 0.1846



29.5300, 0.3353, 0.1706



43.8455, 0.4590, 0.4230



14.5971, 0.3148, 0.3074



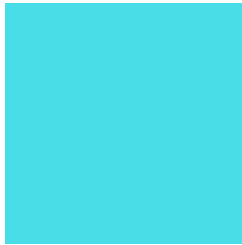
12.2834, 0.3390, 0.1641



0.9129, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 58.9556, 0.2301, 0.3143 looks on a white background.

Color Contrast Check

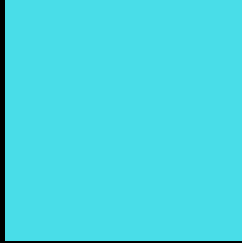
Large Text (above 18pt) WCAG AA × Fail

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 58.9556, 0.2301, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

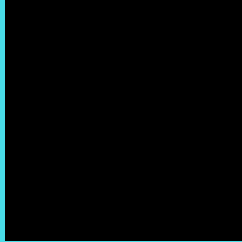
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9556, 0.2301, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 58.9556, 0.2301, 0.3143.

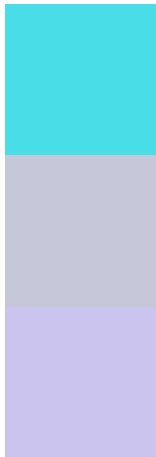


This preview shows how white text looks on a background with the Yxy color 58.9556, 0.2301, 0.3143.

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

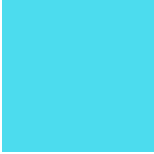
58.9556, 0.2301, 0.3143

Protanopia

58.0509, 0.2993, 0.3068

Deuteranopia

58.2095, 0.2880, 0.2816



Tritanopia

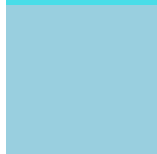
58.8959, 0.2282, 0.3054

Trichromacy



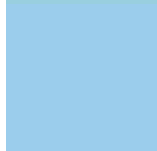
Original Color

58.9556, 0.2301, 0.3143



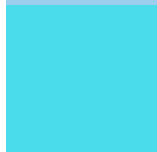
Protanomaly

56.7257, 0.2655, 0.3088



Deuteranomaly

56.6873, 0.2592, 0.2910



Tritanomaly

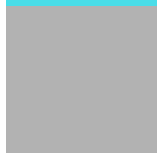
58.7384, 0.2287, 0.3079

Monochromacy



Original Color

58.9556, 0.2301, 0.3143



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.2362, 0.2702, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9556, 0.2301, 0.3143 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(73, 221, 232)` looks like.

```
.text, #text, p{  
    color:rgb(73, 221, 232)  
}
```

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(73, 221, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 221, 232) }
```

Border

The CSS property to change the border of an element to Yxy 58.9556, 0.2301, 0.3143 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(73, 221, 232) }
```

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

```
.border{ border-color:rgb(73, 221, 232) }
```

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

Here you see how a box with a 4 pixel rgb(73, 221, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 221, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 221, 232);  
box-shadow:4px 4px 4px 4px rgb(73, 221,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9556, 0.2301, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 221, 232) }
```

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

```
.background{ background-color: rgb(73, 221,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor