

Converting Colors

$Y_{xy}(58.0294, 0.2256, 0.3039)$

Have a look what the booklet for
Yxy(58.0294, 0.2256, 0.3039)
contains.

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Color

Yxy(58.0294, 0.2256, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	43DBEE
RGB	67, 219, 238
RGB Percent	26%, 86%, 93%
CMY	0.7375, 0.1412, 0.0665
CMYK	0.72, 0.08, 0.00, 0.07
HSL	187°, 83%, 60%
HSV	187°, 72%, 93%
XYZ	43.0781, 58.0294, 89.8415
YIQ	175.7180, -96.6910, -26.3150

Conversions

Conversions Part 2

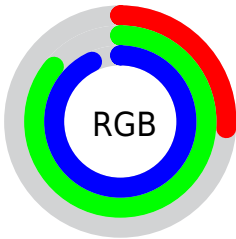
Format	Color
RYB	67, 147, 238
Decimal	4447214
CIELab	80.76, -32.98, -20.77
CIELCh	81, 38.973, 212.200
Yxy	58.0294, 0.2256, 0.3039
Android (android.graphics.Color)	4282637294 (0xFF43DBEE)
YUV	175.7180, 30.7050, -95.3457
Hunter-Lab	76.1770, -32.3681, -16.6014

Details

The Yxy color **58.0294, 0.2256, 0.3039** 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 **25.2350, 0.5431, 0.3461**, and the grayscale version is **43.1283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **29.9283, 0.2160, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **55.9870, 0.2202, 0.3000**, and if you desaturate by 10%, it is **60.4434, 0.2330, 0.3078**.

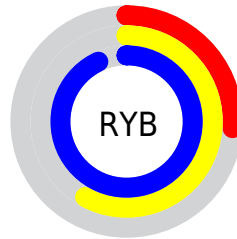
Distribution



Red (26%)

Green (86%)

Blue (93%)



Red (26%)

Yellow (58%)

Blue (93%)

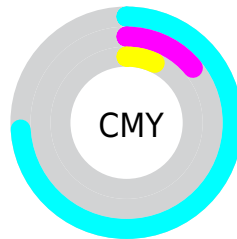


Cyan (72%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (74%)


Magenta (14%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0294, 0.2256, 0.3039 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 58.0294, 0.2256, 0.3039 by changing the saturation by 10% instead.


 58.0294, 0.2256,
0.3039

 58.0294, 0.2256,
0.3039


417.2955, 0.2660,
0.3173


 41.8323, 0.2165,
0.3004


 101.9657, 0.2396,
0.3089


 28.9700, 0.2052,
0.2959


 130.4736, 0.2450,
0.3107

 19.0581, 0.1912,
0.2898


 163.8540, 0.2497,
0.3123

 11.7123, 0.1731,
0.2813

 202.4911, 0.2538,
0.3136

 6.5481, 0.1494,
0.2687

246.7694, 0.2574,
0.3147

 3.1811, 0.1174,
0.2487

297.0733, 0.2606,

 1.2270, 0.0580,

0.3157

0.2180

353.7872, 0.2635,
0.3165

■ 0.0836, 0.0000,
0.0478

■ 0.0000, 0.0000,
0.0000

■ 58.0294, 0.2256,
0.3039

■ 58.0294, 0.2256,
0.3039

■ 55.9870, 0.2202,
0.3000

■ 60.4434, 0.2330,
0.3078

■ 54.2641, 0.2166,
0.2961

■ 63.2603, 0.2423,
0.3117

■ 53.0439, 0.2147,
0.2930

■ 66.5154, 0.2534,
0.3154

■ 70.2379, 0.2659,
0.3190

74.4548, 0.2797,
0.3224

79.1906, 0.2944,
0.3256

84.4683, 0.3098,
0.3285

89.8604, 0.3239,
0.3311

91.4316, 0.3236,
0.3337

Harmonies

Analogous

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



58.0294, 0.2506, 0.3538



58.0294, 0.2256, 0.3039



58.0294, 0.2221, 0.2671

Triad

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



58.0294, 0.2256, 0.3039



58.0294, 0.3268, 0.2709



58.0294, 0.3868, 0.4114

Complementary

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



58.0294, 0.2256, 0.3039



25.2350, 0.5431, 0.3461

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.



58.0294, 0.4117, 0.3811



58.0294, 0.2256, 0.3039



58.0294, 0.3762, 0.3028

Square

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



58.0294, 0.2256, 0.3039



58.0294, 0.2770, 0.2519



58.0294, 0.4083, 0.3419



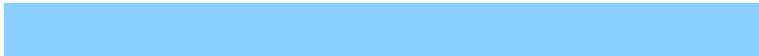
58.0294, 0.3429, 0.4206

Rectangle

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



58.0294, 0.2256, 0.3039



58.0294, 0.2317, 0.2533



58.0294, 0.4083, 0.3419



58.0294, 0.3978, 0.4030

Sweetspot

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



58.0315, 0.2256, 0.3039



86.9529, 0.2794, 0.3223



62.9982, 0.2968, 0.5420



18.3123, 0.2756, 0.3214



0.0000, 0.0000, 0.0000



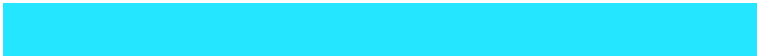
21.4041, 0.3127, 0.3290

Same Dimension

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



58.0315, 0.2256, 0.3039



64.5268, 0.2183, 0.2983



24.7969, 0.1952, 0.1829



17.6112, 0.2981, 0.3263



29.7042, 0.2149, 0.2936



2.5559, 0.2163, 0.2987

Inverse Universe

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



27.3031, 0.3405, 0.1857



28.2515, 0.3465, 0.1741



47.1827, 0.4619, 0.4309



15.9994, 0.3155, 0.3083



12.7920, 0.3511, 0.1708



1.0727, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 58.0294, 0.2256, 0.3039 looks on a white background.

Color Contrast Check

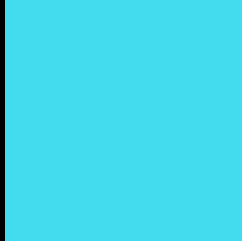
Large Text (above 18pt) WCAG AA × Fail

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 58.0294, 0.2256, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

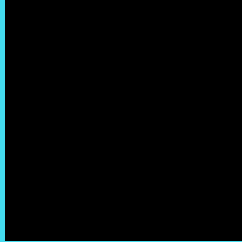
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0294, 0.2256, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 58.0294, 0.2256, 0.3039.

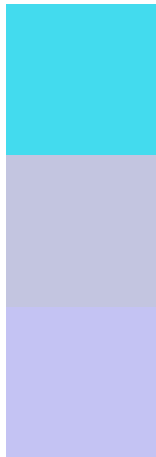


This preview shows how white text looks on a background with the Yxy color 58.0294, 0.2256, 0.3039.

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

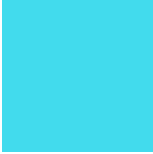
58.0294, 0.2256, 0.3039

Protanopia

56.9164, 0.2922, 0.2974

Deuteranopia

57.2370, 0.2804, 0.2746



Tritanopia

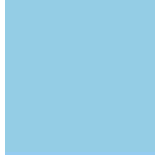
57.9357, 0.2258, 0.3052

Trichromacy



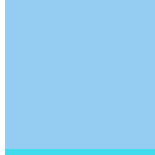
Original Color

58.0294, 0.2256, 0.3039



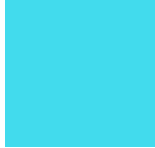
Protanomaly

55.6157, 0.2589, 0.2988



Deuteranomaly

55.9262, 0.2529, 0.2836



Tritanomaly

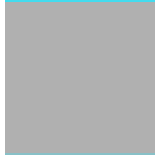
57.9357, 0.2258, 0.3052

Monochromacy



Original Color

58.0294, 0.2256, 0.3039



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.0570, 0.2667, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0294, 0.2256, 0.3039 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(67, 219, 238)` looks like.

```
.text, #text, p{  
    color:rgb(67, 219, 238)  
}
```

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(67, 219, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 219, 238) }
```

Border

The CSS property to change the border of an element to Yxy 58.0294, 0.2256, 0.3039 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(67, 219, 238) }
```

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

```
.border{ border-color:rgb(67, 219, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 219, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 219, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 219, 238);  
box-shadow:4px 4px 4px 4px rgb(67, 219,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0294, 0.2256, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 219, 238) }
```

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

```
.background{ background-color: rgb(67, 219,  
238) }
```

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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