

Converting Colors

$Yxy(58.8576, 0.2257, 0.3152)$

Have a look what the booklet for
Yxy(58.8576, 0.2257, 0.3152)
contains.

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Color

Yxy(58.7726, 0.2257, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	33DEE8
RGB	51, 222, 232
RGB Percent	20%, 87%, 91%
CMY	0.8007, 0.1294, 0.0902
CMYK	0.78, 0.04, 0.00, 0.09
HSL	183°, 80%, 55%
HSV	183°, 78%, 91%
XYZ	42.0443, 58.7726, 85.4671
YIQ	172.0110, -105.1260, -33.1420

Conversions

Conversions Part 2

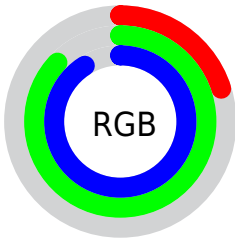
Format	Color
RYB	51, 139, 232
Decimal	3399400
CIELab	81.17, -37.85, -16.96
CIELCh	81, 41.476, 204.141
Yxy	58.7726, 0.2257, 0.3155
Android (android.graphics.Color)	4281589480 (0xFF33DEE8)
YUV	172.0110, 29.5746, -106.1266
Hunter-Lab	76.6633, -36.2664, -12.4344

Details

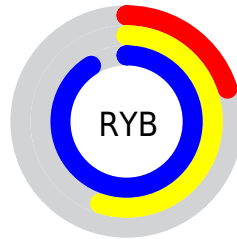
The Yxy color **58.7726, 0.2257, 0.3155** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **20.7097, 0.5779, 0.3369**, and the grayscale version is **41.1244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **30.4070, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **57.6406, 0.2221, 0.3136**, and if you desaturate by 10%, it is **60.2140, 0.2312, 0.3174**.

Distribution



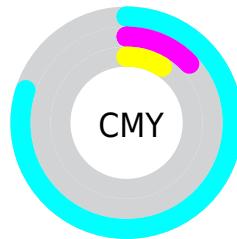
- Red (20%)
- Green (87%)
- Blue (91%)



- Red (20%)
- Yellow (55%)
- Blue (91%)



- Cyan (78%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (80%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7726, 0.2257, 0.3155 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 58.7726, 0.2257, 0.3155 by changing the saturation by 10% instead.


 58.7726, 0.2257,
0.3155

 58.7726, 0.2257,
0.3155


420.0587, 0.2661,
0.3234


 42.4301, 0.2165,
0.3133


 103.0471, 0.2397,
0.3186


 29.4382, 0.2053,
0.3103


 131.7479, 0.2451,
0.3196

 19.4126, 0.1912,
0.3063


 165.3368, 0.2498,
0.3205

 11.9688, 0.1731,
0.3003

 204.1984, 0.2539,
0.3213

 6.7224, 0.1492,
0.2912

248.7170, 0.2575,
0.3219

 3.2891, 0.1168,
0.2758

299.2770, 0.2607,

 1.2845, 0.0495,

0.3225

0.2533

356.2627, 0.2635,
0.3229

■ 0.1291, 0.0000,
0.0859

■ 0.0000, 0.0000,
0.0000

■ 58.7726, 0.2257,
0.3155

■ 58.7726, 0.2257,
0.3155

■ 57.6406, 0.2221,
0.3136

■ 60.2140, 0.2312,
0.3174

■ 56.7561, 0.2202,
0.3118

■ 61.9978, 0.2386,
0.3193

■ 56.5999, 0.2199,
0.3115

■ 64.1595, 0.2479,
0.3211

■ 66.7287, 0.2589,
0.3229

69.7319, 0.2715,
0.3247

73.1933, 0.2854,
0.3263

77.1354, 0.3002,
0.3278

81.5792, 0.3157,
0.3293

85.6568, 0.3284,
0.3305

Harmonies

Analogous

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



58.7726, 0.2575, 0.3697



58.7726, 0.2257, 0.3155



58.7726, 0.2159, 0.2718

Triad

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



58.7726, 0.2257, 0.3155



58.7726, 0.3126, 0.2609



58.7726, 0.4005, 0.4089

Complementary

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



58.7726, 0.2257, 0.3155



20.7097, 0.5779, 0.3369

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.



58.7726, 0.4197, 0.3729



58.7726, 0.2257, 0.3155



58.7726, 0.3670, 0.2913

Square

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



58.7726, 0.2257, 0.3155



58.7726, 0.2626, 0.2453



58.7726, 0.4076, 0.3308



58.7726, 0.3581, 0.4265

Rectangle

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



58.7726, 0.2257, 0.3155



58.7726, 0.2221, 0.2537



58.7726, 0.4076, 0.3308



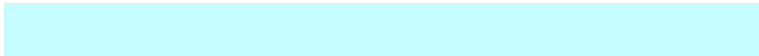
58.7726, 0.4101, 0.3982

Sweetspot

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



58.7748, 0.2257, 0.3155



88.4783, 0.2783, 0.3255



58.7346, 0.2991, 0.5663



18.6130, 0.2733, 0.3249



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.



58.7748, 0.2257, 0.3155



70.7055, 0.2207, 0.3125



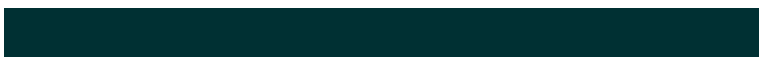
23.1238, 0.1909, 0.1823



16.1931, 0.2982, 0.3276



31.4861, 0.2199, 0.3118



2.3685, 0.2207, 0.3144

Inverse Universe

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



24.7823, 0.3313, 0.1723



28.0086, 0.3345, 0.1632



39.3554, 0.4846, 0.4252



14.6008, 0.3146, 0.3071



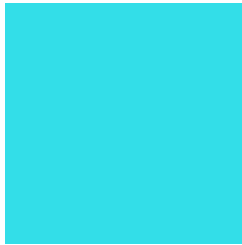
12.3763, 0.3352, 0.1620



0.9188, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 58.7726, 0.2257, 0.3155 looks on a white background.

Color Contrast Check

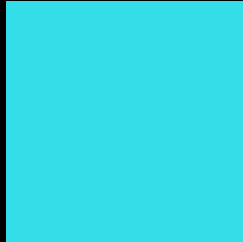
Large Text (above 18pt) WCAG AA × Fail

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 58.7726, 0.2257, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

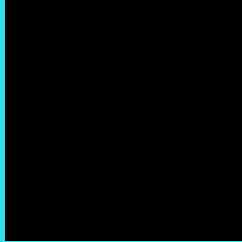
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7726, 0.2257, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 58.7726, 0.2257, 0.3155.



This preview shows how white text looks on a background with the Yxy color 58.7726, 0.2257, 0.3155.

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

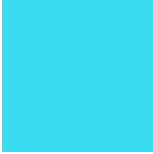
58.7726, 0.2257, 0.3155

Protanopia

57.8624, 0.2992, 0.3079

Deuteranopia

57.6208, 0.2872, 0.2803



Tritanopia

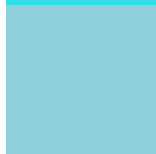
58.8148, 0.2238, 0.3052

Trichromacy



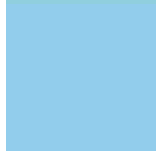
Original Color

58.7726, 0.2257, 0.3155



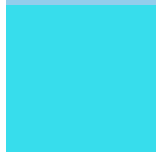
Protanomaly

55.8289, 0.2608, 0.3098



Deuteranomaly

55.8298, 0.2540, 0.2905



Tritanomaly

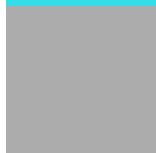
58.5813, 0.2246, 0.3090

Monochromacy



Original Color

58.7726, 0.2257, 0.3155



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.3111, 0.2643, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7726, 0.2257, 0.3155 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(51, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(51, 222, 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(51, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 222, 232) }
```

Border

The CSS property to change the border of an element to Yxy 58.7726, 0.2257, 0.3155 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(51, 222, 232) }
```

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

```
.border{ border-color:rgb(51, 222, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(51, 222,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7726, 0.2257, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 222, 232) }
```

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

```
.background{ background-color: rgb(51, 222,  
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](#).

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