

Converting Colors

$Y_{xy}(56.6813, 0.2157, 0.2815)$

Have a look what the booklet for
Yxy(56.6813, 0.2157, 0.2815)
contains.

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Color

Yxy(56.8817, 0.2157, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	32D8FD
RGB	50, 216, 253
RGB Percent	20%, 85%, 99%
CMY	0.8053, 0.1529, 0.0079
CMYK	0.80, 0.15, 0.00, 0.01
HSL	191°, 98%, 59%
HSV	191°, 80%, 99%
XYZ	43.5857, 56.8817, 101.5990
YIQ	170.5840, -110.8130, -23.6850

Conversions

Conversions Part 2

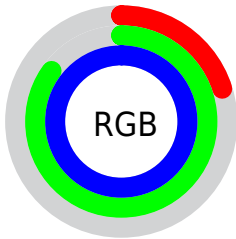
Format	Color
RYB	50, 141, 253
Decimal	3332349
CIELab	80.11, -28.71, -29.72
CIELCh	80, 41.325, 225.996
Yxy	56.8817, 0.2157, 0.2815
Android (android.graphics.Color)	4281522429 (0xFF32D8FD)
YUV	170.5840, 40.6311, -105.7522
Hunter-Lab	75.4200, -28.8285, -27.0762

Details

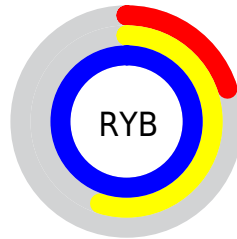
The Yxy color **56.8817, 0.2157, 0.2815** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.8620, 0.5675, 0.3557**, and the grayscale version is **40.2909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **29.4753, 0.2085, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **54.0889, 0.2110, 0.2749**, and if you desaturate by 10%, it is **60.0983, 0.2224, 0.2882**.

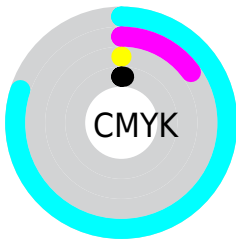
Distribution



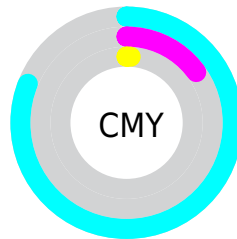
- Red (20%)
- Green (85%)
- Blue (99%)



- Red (20%)
- Yellow (55%)
- Blue (99%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)
- Black (1%)




- Cyan (81%)
- Magenta (15%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8817, 0.2157, 0.2815 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 56.8817, 0.2157, 0.2815 by changing the saturation by 10% instead.


 56.8817, 0.2157,
0.2815

 56.8817, 0.2157,
0.2815


413.0059, 0.2604,
0.3056

 40.9103, 0.2057,
0.2756


 100.2926, 0.2311,
0.2902

 28.2490, 0.1935,
0.2680


 128.5008, 0.2371,
0.2935

 18.5134, 0.1784,
0.2582


 161.5567, 0.2423,
0.2963

 11.3192, 0.1593,
0.2449

 199.8447, 0.2468,
0.2987

 6.2820, 0.1347,
0.2263

243.7493, 0.2508,
0.3008

 3.0173, 0.1026,
0.1989

293.6547, 0.2544,

 1.1408, 0.0505,

0.3026

0.1587

349.9455, 0.2575,
0.3042

0.0125, 0.0000,
0.0048

0.0000, 0.0000,
0.0000

56.8817, 0.2157,
0.2815

56.8817, 0.2157,
0.2815

54.0889, 0.2110,
0.2749

60.0983, 0.2224,
0.2882

51.7150, 0.2080,
0.2686

63.7846, 0.2311,
0.2948

67.9859, 0.2416,
0.3013

72.7403, 0.2537,
0.3075

■ 78.0818, 0.2671,
0.3135

■ 84.0415, 0.2815,
0.3190

■ 90.6481, 0.2967,
0.3241

■ 97.9284, 0.3121,
0.3288

■ 99.8711, 0.3139,
0.3309

Harmonies

Analogous

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



56.8817, 0.2317, 0.3299



56.8817, 0.2157, 0.2815



56.8817, 0.2225, 0.2519

Triad

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



56.8817, 0.2157, 0.2815



56.8817, 0.3530, 0.2815



56.8817, 0.3716, 0.4250

Complementary

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



56.8817, 0.2157, 0.2815



27.8620, 0.5675, 0.3557

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.



56.8817, 0.4092, 0.4008



56.8817, 0.2157, 0.2815



56.8817, 0.3996, 0.3195

Square

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



56.8817, 0.2157, 0.2815



56.8817, 0.2978, 0.2545



56.8817, 0.4205, 0.3618



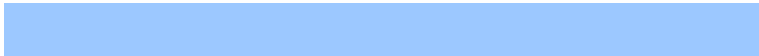
56.8817, 0.3200, 0.4210

Rectangle

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



56.8817, 0.2157, 0.2815



56.8817, 0.2393, 0.2441



56.8817, 0.4205, 0.3618



56.8817, 0.3863, 0.4194

Sweetspot

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



56.8837, 0.2157, 0.2815



83.2887, 0.2762, 0.3170



71.5449, 0.2931, 0.5518



17.3664, 0.2711, 0.3151



0.0000, 0.0000, 0.0000



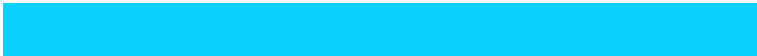
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8837, 0.2157, 0.2815



53.6250, 0.2091, 0.2712



20.5834, 0.1797, 0.1454



19.8867, 0.2980, 0.3246



27.7118, 0.2082, 0.2697



2.8377, 0.2103, 0.2772

Inverse Universe

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



28.0909, 0.3610, 0.1877



26.1594, 0.3716, 0.1832



55.8930, 0.4676, 0.4470



18.2404, 0.3166, 0.3098



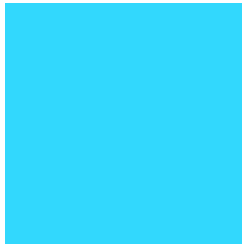
13.5255, 0.3731, 0.1829



1.3310, 0.3661, 0.1790

Previews

White Background



This preview shows how the Yxy color 56.8817, 0.2157, 0.2815 looks on a white background.

Color Contrast Check

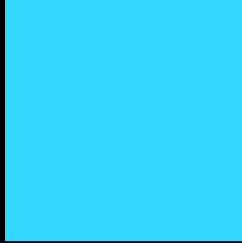
Large Text (above 18pt) WCAG AA × Fail

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 56.8817, 0.2157, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

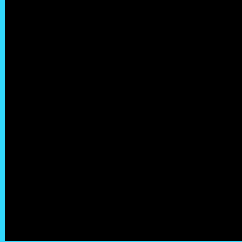
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8817, 0.2157, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 56.8817, 0.2157, 0.2815.



This preview shows how white text looks on a background with the Yxy color 56.8817, 0.2157, 0.2815.

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

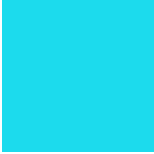
56.8817, 0.2157, 0.2815

Protanopia

55.8946, 0.2780, 0.2790

Deuteranopia

55.9939, 0.2650, 0.2598



Tritanopia

57.0243, 0.2197, 0.3048

Trichromacy



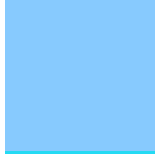
Original Color

56.8817, 0.2157, 0.2815



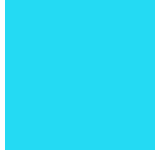
Protanomaly

54.5862, 0.2457, 0.2794



Deuteranomaly

54.5477, 0.2387, 0.2657



Tritanomaly

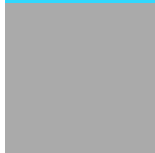
56.9889, 0.2180, 0.2960

Monochromacy



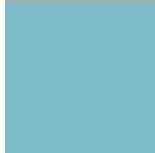
Original Color

56.8817, 0.2157, 0.2815



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.1464, 0.2588, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8817, 0.2157, 0.2815 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(50, 216, 253)` looks like.

```
.text, #text, p{  
    color:rgb(50, 216, 253)  
}
```

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(50, 216, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 216, 253) }
```

Border

The CSS property to change the border of an element to Yxy 56.8817, 0.2157, 0.2815 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(50, 216, 253) }
```

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

```
.border{ border-color:rgb(50, 216, 253) }
```

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

Here you see how a box with a 4 pixel rgb(50, 216, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 216, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 216, 253);  
box-shadow:4px 4px 4px 4px rgb(50, 216,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8817, 0.2157, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 216, 253) }
```

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

```
.background{ background-color: rgb(50, 216,  
253) }
```

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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