

Converting Colors

$Y_{xy}(56.7369, 0.2164, 0.2779)$

Have a look what the booklet for
Yxy(56.7369, 0.2164, 0.2779)
contains.

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Color

Yxy(56.7815, 0.2165, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	3CD7FF
RGB	60, 215, 255
RGB Percent	24%, 84%, 100%
CMY	0.7643, 0.1569, 0.0000
CMYK	0.76, 0.16, 0.00, 0.00
HSL	192°, 100%, 62%
HSV	192°, 76%, 100%
XYZ	44.2201, 56.7815, 103.2484
YIQ	173.2150, -105.2200, -20.4200

Conversions

Conversions Part 2

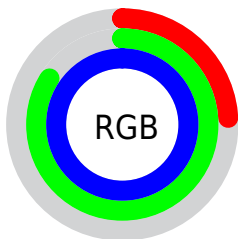
Format	Color
R _{YB}	60, 146, 255
Decimal	3987455
CIE Lab	80.06, -26.60, -30.87
CIE LCh	80, 40.755, 229.249
Yxy	56.7815, 0.2165, 0.2780
Android (android.graphics.Color)	4282177535 (0xFF3CD7FF)
YUV	173.2150, 40.3200, -99.2896
Hunter-Lab	75.3535, -27.1185, -28.4909

Details

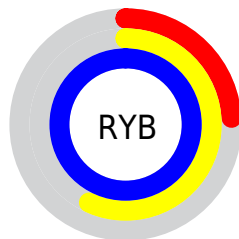
The Yxy color **56.7815, 0.2165, 0.2780** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.7250, 0.5478, 0.3610**, and the grayscale version is **41.7519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **29.2188, 0.2072, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **53.5456, 0.2107, 0.2704**, and if you desaturate by 10%, it is **60.4872, 0.2243, 0.2856**.

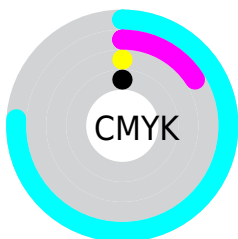
Distribution



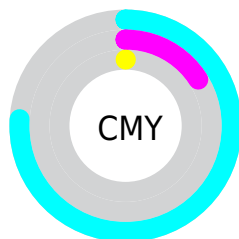
- Red (24%)
- Green (84%)
- Blue (100%)



- Red (24%)
- Yellow (57%)
- Blue (100%)



- Cyan (76%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7815, 0.2165, 0.2780 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 56.7815, 0.2165, 0.2780 by changing the saturation by 10% instead.


 56.7815, 0.2165,
0.2780

 56.7815, 0.2165,
0.2780


412.6301, 0.2608,
0.3036

 40.8298, 0.2066,
0.2717


 100.1463, 0.2317,
0.2872


 28.1861, 0.1945,
0.2638


 128.3282, 0.2377,
0.2907

 18.4660, 0.1795,
0.2535

 161.3557, 0.2429,
0.2937

 11.2851, 0.1606,
0.2398

 199.6131, 0.2474,
0.2963

 6.2589, 0.1361,
0.2206

243.4849, 0.2513,
0.2985

 3.0032, 0.1042,
0.1926

293.3553, 0.2549,

 1.1334, 0.0547,

0.3004

0.1517

349.6089, 0.2580,
0.3021

0.0063, 0.0000,
0.0023

0.0000, 0.0000,
0.0000

56.7815, 0.2165,
0.2780

56.7815, 0.2165,
0.2780

53.5456, 0.2107,
0.2704

60.4872, 0.2243,
0.2856

50.7150, 0.2068,
0.2629

64.7087, 0.2341,
0.2931

49.7690, 0.2056,
0.2603

69.4892, 0.2455,
0.3004

74.8659, 0.2585,
0.3074

■ 80.8725, 0.2725,
0.3140

■ 87.5399, 0.2874,
0.3201

■ 94.8967, 0.3027,
0.3257

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



56.7815, 0.2299, 0.3241



56.7815, 0.2165, 0.2780



56.7815, 0.2257, 0.2510

Triad

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



56.7815, 0.2165, 0.2780



56.7815, 0.3583, 0.2858



56.7815, 0.3658, 0.4249

Complementary

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



56.7815, 0.2165, 0.2780



30.7250, 0.5478, 0.3610

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.



56.7815, 0.4050, 0.4035



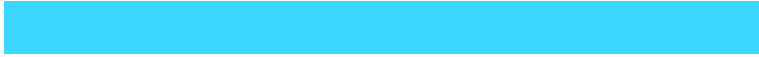
56.7815, 0.2165, 0.2780



56.7815, 0.4021, 0.3241

Square

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



56.7815, 0.2165, 0.2780



56.7815, 0.3038, 0.2576



56.7815, 0.4194, 0.3660



56.7815, 0.3142, 0.4172

Rectangle

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



56.7815, 0.2165, 0.2780



56.7815, 0.2438, 0.2447



56.7815, 0.4194, 0.3660



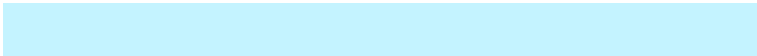
56.7815, 0.3809, 0.4204

Sweetspot

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



56.7826, 0.2165, 0.2780



83.0803, 0.2775, 0.3161



73.3869, 0.2908, 0.5350



17.2847, 0.2723, 0.3138



0.0000, 0.0000, 0.0000



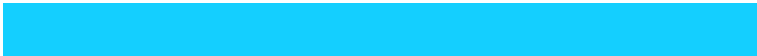
21.4041, 0.3127, 0.3290

Same Dimension

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



56.7826, 0.2165, 0.2780



51.9222, 0.2083, 0.2662



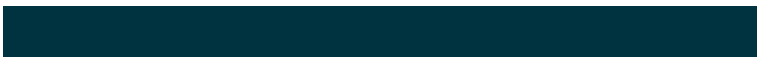
21.2784, 0.1825, 0.1467



19.8108, 0.2980, 0.3240



26.2262, 0.2060, 0.2615



2.7057, 0.2084, 0.2701

Inverse Universe

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



29.4099, 0.3636, 0.1940



26.2718, 0.3761, 0.1873



61.3090, 0.4550, 0.4505



18.2327, 0.3170, 0.3103



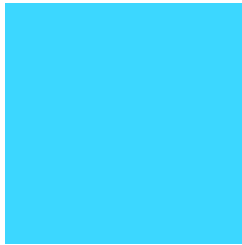
13.3755, 0.3810, 0.1872



1.3177, 0.3728, 0.1827

Previews

White Background



This preview shows how the Yxy color 56.7815, 0.2165, 0.2780 looks on a white background.

Color Contrast Check

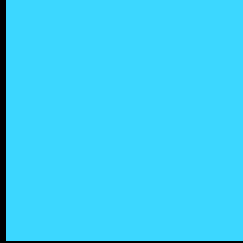
Large Text (above 18pt) WCAG AA × Fail

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 56.7815, 0.2165, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

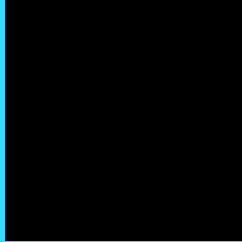
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7815, 0.2165, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 56.7815, 0.2165, 0.2780.

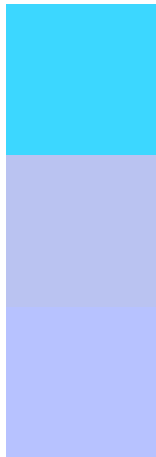


This preview shows how white text looks on a background with the Yxy color 56.7815, 0.2165, 0.2780.

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

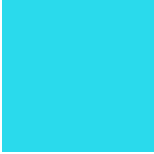
56.7815, 0.2165, 0.2780

Protanopia

55.8202, 0.2747, 0.2756

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.6912, 0.2213, 0.3048

Trichromacy



Original Color

56.7815, 0.2165, 0.2780



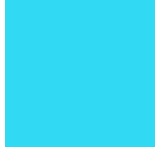
Protanomaly

54.4703, 0.2451, 0.2748



Deuteranomaly

54.8643, 0.2398, 0.2649



Tritanomaly

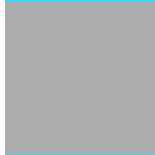
56.7497, 0.2195, 0.2948

Monochromacy



Original Color

56.7815, 0.2165, 0.2780



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.1838, 0.2610, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7815, 0.2165, 0.2780 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(60, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(60, 215, 255)  
}
```

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(60, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.7815, 0.2165, 0.2780 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(60, 215, 255) }
```

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

```
.border{ border-color:rgb(60, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(60, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7815, 0.2165, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 215, 255) }
```

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

```
.background{ background-color: rgb(60, 215,  
255) }
```

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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