

Converting Colors

$Y_{xy}(56.3411, 0.2259, 0.2737)$

Have a look what the booklet for
Yxy(56.3411, 0.2259, 0.2737)
contains.

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Color

Yxy(56.5179, 0.2260, 0.2741)

Conversions

Conversions Part 1

Format	Color
Hex	64D3FF
RGB	100, 211, 255
RGB Percent	39%, 83%, 100%
CMY	0.6079, 0.1725, 0.0000
CMYK	0.61, 0.17, 0.00, 0.00
HSL	197°, 100%, 70%
HSV	197°, 61%, 100%
XYZ	46.5999, 56.5179, 103.0766
YIQ	182.8270, -80.2800, -9.8480

Conversions

Conversions Part 2

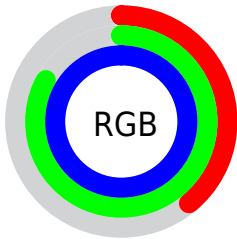
Format	Color
RYB	100, 165, 255
Decimal	6607871
CIELab	79.91, -19.13, -31.02
CIELCh	80, 36.447, 238.336
Yxy	56.5179, 0.2260, 0.2741
Android (android.graphics.Color)	4284797951 (0xFF64D3FF)
YUV	182.8270, 35.5813, -72.6393
Hunter-Lab	75.1784, -20.9175, -28.6673

Details

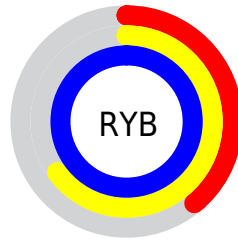
The Yxy color **56.5179, 0.2260, 0.2741** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.1191, 0.4736, 0.3728**, and the grayscale version is **47.0862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **27.8929, 0.2057, 0.2590** is the 20% darker color. If you saturate the color by 10%, you get **51.7699, 0.2159, 0.2634**, and if you desaturate by 10%, it is **61.8841, 0.2378, 0.2846**.

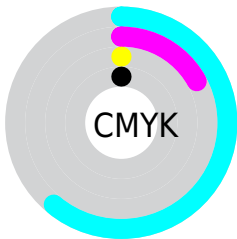
Distribution



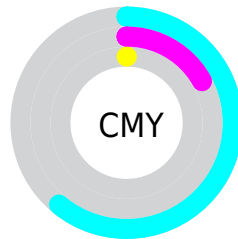
- Red (39%)
- Green (83%)
- Blue (100%)



- Red (39%)
- Yellow (65%)
- Blue (100%)



- Cyan (61%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5179, 0.2260, 0.2741 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 56.5179, 0.2260, 0.2741 by changing the saturation by 10% instead.


 56.5179, 0.2260,
0.2741

 56.5179, 0.2260,
0.2741


411.6403, 0.2662,
0.3012


 40.6183, 0.2169,
0.2676


 99.7614, 0.2399,
0.2838

 28.0210, 0.2058,
0.2594


 127.8741, 0.2453,
0.2874

 18.3415, 0.1919,
0.2489


 160.8266, 0.2500,
0.2906

 11.1954, 0.1742,
0.2349

199.0033, 0.2541,
0.2933

 6.1984, 0.1511,
0.2157

242.7887, 0.2577,
0.2956

 2.9661, 0.1202,
0.1879

292.5670, 0.2608,

 1.1141, 0.0758,

0.2977

0.1468

348.7228, 0.2637,
0.2995

0.0000, 0.0000,
0.0000

56.5179, 0.2260,
0.2741

56.5179, 0.2260,
0.2741

51.7699, 0.2159,
0.2634

61.8841, 0.2378,
0.2846

47.5917, 0.2078,
0.2525

67.9068, 0.2511,
0.2947

43.9290, 0.2018,
0.2417

74.6230, 0.2655,
0.3042

40.9339, 0.1978,
0.2319

82.0660, 0.2805,
0.3130

90.2667, 0.2960,
0.3211

99.2538, 0.3115,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

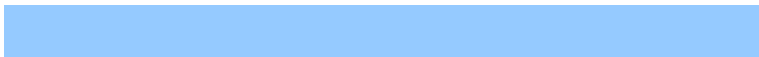
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.5179, 0.2321, 0.3112



56.5179, 0.2260, 0.2741



56.5179, 0.2405, 0.2550

Triad

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



56.5179, 0.2260, 0.2741



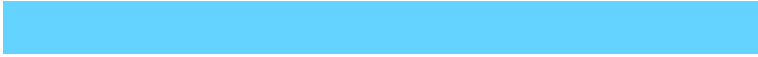
56.5179, 0.3672, 0.2999



56.5179, 0.3475, 0.4156

Complementary

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



56.5179, 0.2260, 0.2741



42.1191, 0.4736, 0.3728

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.



56.5179, 0.3872, 0.4042



56.5179, 0.2260, 0.2741



56.5179, 0.4003, 0.3366

Square

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



56.5179, 0.2260, 0.2741



56.5179, 0.3198, 0.2708



56.5179, 0.4074, 0.3742



56.5179, 0.3003, 0.3992

Rectangle

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



56.5179, 0.2260, 0.2741



56.5179, 0.2607, 0.2527



56.5179, 0.4074, 0.3742



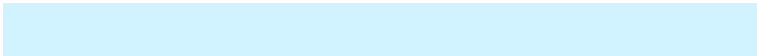
56.5179, 0.3622, 0.4146

Sweetspot

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



56.5187, 0.2260, 0.2741



84.2782, 0.2848, 0.3153



76.2388, 0.2861, 0.4738



17.5458, 0.2803, 0.3129



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.



56.5187, 0.2260, 0.2741



50.8001, 0.2140, 0.2610



26.8592, 0.2027, 0.1714



19.5589, 0.2980, 0.3221



21.6558, 0.1983, 0.2337



2.2946, 0.2016, 0.2458

Inverse Universe

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



35.0739, 0.3643, 0.2220



29.7701, 0.3787, 0.2086



74.1107, 0.4179, 0.4456



18.2073, 0.3182, 0.3121



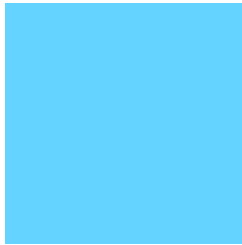
12.9141, 0.4088, 0.2026



1.2762, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 56.5179, 0.2260, 0.2741 looks on a white background.

Color Contrast Check

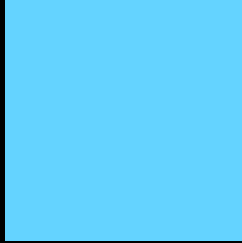
Large Text (above 18pt) WCAG AA × Fail

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 56.5179, 0.2260, 0.2741 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

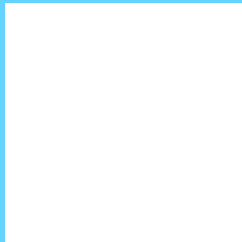
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5179, 0.2260, 0.2741

Background



This preview shows how black text looks on a background with the Yxy color 56.5179, 0.2260, 0.2741.

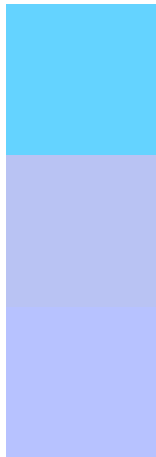


This preview shows how white text looks on a background with the Yxy color 56.5179, 0.2260, 0.2741.

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

56.5179, 0.2260, 0.2741

Protanopia

55.8156, 0.2728, 0.2734

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.6007, 0.2333, 0.3065

Trichromacy



Original Color

56.5179, 0.2260, 0.2741



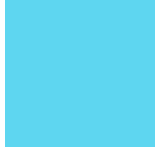
Protanomaly

55.3587, 0.2520, 0.2736



Deuteranomaly

55.3009, 0.2472, 0.2637



Tritanomaly

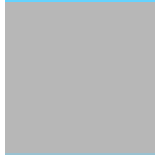
56.7641, 0.2309, 0.2953

Monochromacy



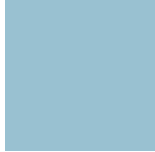
Original Color

56.5179, 0.2260, 0.2741



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.5157, 0.2719, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5179, 0.2260, 0.2741 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(100, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 211, 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(100, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.5179, 0.2260, 0.2741 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(100, 211, 255) }
```

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

```
.border{ border-color:rgb(100, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5179, 0.2260, 0.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 211, 255) }
```

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

```
.background{ background-color: rgb(100,  
211, 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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