

Converting Colors

$Yxy(56.2344, 0.2357, 0.2842)$

Have a look what the booklet for
Yxy(56.2344, 0.2357, 0.2842)
contains.

Yxy(56.3988, 0.2361, 0.2849)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.3988, 0.2361, 0.2849)

Conversions

Conversions Part 1

Format	Color
Hex	74D2F5
RGB	116, 210, 245
RGB Percent	45%, 82%, 96%
CMY	0.5448, 0.1765, 0.0391
CMYK	0.53, 0.14, 0.00, 0.04
HSL	196°, 87%, 71%
HSV	196°, 53%, 96%
XYZ	46.7384, 56.3988, 94.8228
YIQ	185.8840, -67.2590, -9.0430

Conversions

Conversions Part 2

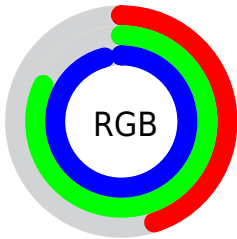
Format	Color
R _Y B	116, 170, 245
Decimal	7656181
CIE Lab	79.84, -18.45, -25.75
CIE LCh	80, 31.678, 234.375
Yxy	56.3988, 0.2361, 0.2849
Android (android.graphics.Color)	4285846261 (0xFF74D2F5)
YUV	185.8840, 29.1442, -61.2883
Hunter-Lab	75.0991, -20.3330, -22.2923

Details

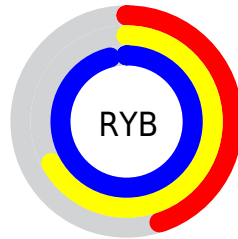
The Yxy color **56.3988, 0.2361, 0.2849** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.8404, 0.4443, 0.3667**, and the grayscale version is **48.9063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **27.8206, 0.2174, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **51.7183, 0.2248, 0.2749**, and if you desaturate by 10%, it is **61.6630, 0.2490, 0.2946**.

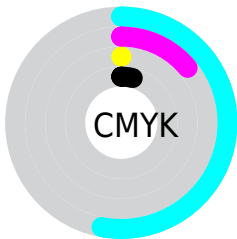
Distribution



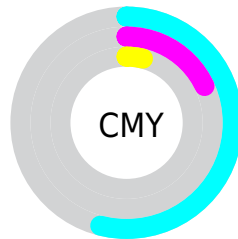
- Red (45%)
- Green (82%)
- Blue (96%)



- Red (45%)
- Yellow (67%)
- Blue (96%)



- Cyan (53%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)





- Cyan (54%)
- Magenta (18%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3988, 0.2361, 0.2849 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 56.3988, 0.2361, 0.2849 by changing the saturation by 10% instead.


 56.3988, 0.2361,
0.2849

 56.3988, 0.2361,
0.2849


411.1927, 0.2719,
0.3068

 40.5228, 0.2279,
0.2796


 99.5874, 0.2486,
0.2928

 27.9464, 0.2178,
0.2728


 127.6688, 0.2534,
0.2958

 18.2852, 0.2051,
0.2640


 160.5874, 0.2576,
0.2983

 11.1550, 0.1887,
0.2522

198.7276, 0.2612,
0.3005

 6.1712, 0.1668,
0.2355

242.4739, 0.2644,
0.3024

 2.9494, 0.1368,
0.2108

292.2105, 0.2672,

 1.1054, 0.0911,

0.3040

0.1722

348.3220, 0.2697,
0.3055

0.0000, 0.0000,
0.0000

56.3988, 0.2361,
0.2849

56.3988, 0.2361,
0.2849

51.7183, 0.2248,
0.2749

61.6630, 0.2490,
0.2946

47.5779, 0.2152,
0.2646

67.5378, 0.2630,
0.3037

43.9369, 0.2076,
0.2543

74.0559, 0.2778,
0.3122

40.7440, 0.2021,
0.2440

81.2452, 0.2932,
0.3201

38.6214, 0.1991,
0.2366

89.1321, 0.3086,
0.3272

96.1771, 0.3188,
0.3337

99.3737, 0.3185,
0.3386

Harmonies

Analogous

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



56.3988, 0.2441, 0.3192



56.3988, 0.2361, 0.2849



56.3988, 0.2466, 0.2654

Triad

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



56.3988, 0.2361, 0.2849



56.3988, 0.3552, 0.2997



56.3988, 0.3487, 0.4040

Complementary

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



56.3988, 0.2361, 0.2849



42.8404, 0.4443, 0.3667

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.



56.3988, 0.3813, 0.3923



56.3988, 0.2361, 0.2849



56.3988, 0.3861, 0.3318

Square

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



56.3988, 0.2361, 0.2849



56.3988, 0.3135, 0.2751



56.3988, 0.3957, 0.3651



56.3988, 0.3077, 0.3926

Rectangle

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



56.3988, 0.2361, 0.2849



56.3988, 0.2632, 0.2617



56.3988, 0.3957, 0.3651



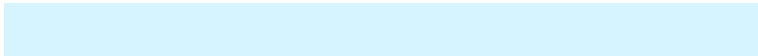
56.3988, 0.3610, 0.4024

Sweetspot

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



56.4009, 0.2361, 0.2849



86.1984, 0.2879, 0.3175



71.2501, 0.2891, 0.4536



18.1006, 0.2847, 0.3159



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.



56.4009, 0.2361, 0.2849



56.3886, 0.2242, 0.2743



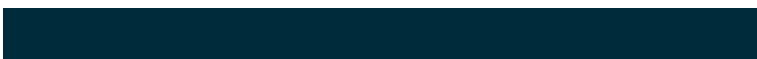
30.9162, 0.2186, 0.1988



17.9520, 0.2980, 0.3224



21.0445, 0.1995, 0.2382



2.0196, 0.2031, 0.2510

Inverse Universe

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



36.5742, 0.3533, 0.2326



34.0493, 0.3646, 0.2175



69.2432, 0.4048, 0.4306



16.6870, 0.3180, 0.3119



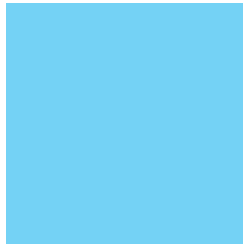
12.2238, 0.4041, 0.2000



1.0915, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 56.3988, 0.2361, 0.2849 looks on a white background.

Color Contrast Check

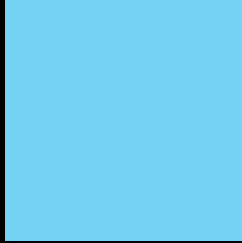
Large Text (above 18pt) WCAG AA × Fail

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 56.3988, 0.2361, 0.2849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

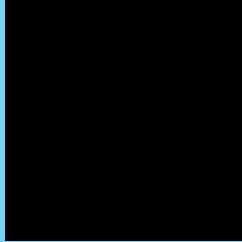
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3988, 0.2361, 0.2849

Background



This preview shows how black text looks on a background with the Yxy color 56.3988, 0.2361, 0.2849.



This preview shows how white text looks on a background with the Yxy color 56.3988, 0.2361, 0.2849.

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

56.3988, 0.2361, 0.2849

Protanopia

55.8472, 0.2806, 0.2823

Deuteranopia

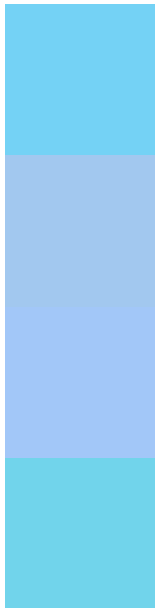
55.7983, 0.2717, 0.2653



Tritanopia

56.6812, 0.2416, 0.3068

Trichromacy



Original Color

56.3988, 0.2361, 0.2849

Protanomaly

55.2219, 0.2609, 0.2818

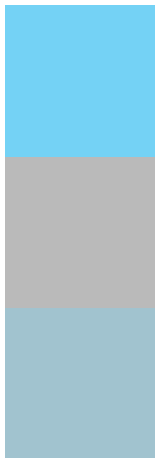
Deuteranomaly

55.3055, 0.2558, 0.2707

Tritanomaly

56.5958, 0.2398, 0.2993

Monochromacy



Original Color

56.3988, 0.2361, 0.2849

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

51.1123, 0.2788, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3988, 0.2361, 0.2849 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(116, 210, 245)` looks like.

```
.text, #text, p{  
    color:rgb(116, 210, 245)  
}
```

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(116, 210, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 210, 245) }
```

Border

The CSS property to change the border of an element to Yxy 56.3988, 0.2361, 0.2849 is called "border". The border property can be set on classes, ids or directly on the HTML element.

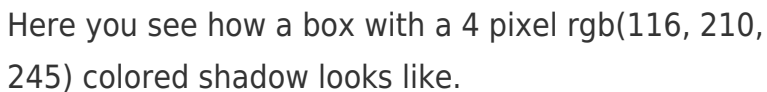
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 210, 245) }
```

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

```
.border{ border-color:rgb(116, 210, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 210, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 210, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 210, 245);  
box-shadow:4px 4px 4px 4px rgb(116, 210,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3988, 0.2361, 0.2849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 210, 245) }
```

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

```
.background{ background-color: rgb(116,  
210, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor