

Converting Colors

$Yxy(55.9639, 0.2336, 0.2779)$

Have a look what the booklet for
Yxy(55.9639, 0.2336, 0.2779)
contains.

Yxy(56.2161, 0.2336, 0.2779)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.2161, 0.2336, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	74D1FA
RGB	116, 209, 250
RGB Percent	45%, 82%, 98%
CMY	0.5453, 0.1804, 0.0195
CMYK	0.54, 0.16, 0.00, 0.02
HSL	198°, 93%, 72%
HSV	198°, 54%, 98%
XYZ	47.2547, 56.2161, 98.8182
YIQ	185.8670, -68.5890, -6.9650

Conversions

Conversions Part 2

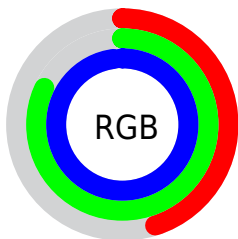
Format	Color
RYB	116, 171, 250
Decimal	7655930
CIELab	79.74, -16.56, -28.57
CIELCh	80, 33.025, 239.910
Yxy	56.2161, 0.2336, 0.2779
Android (android.graphics.Color)	4285846010 (0xFF74D1FA)
YUV	185.8670, 31.6176, -61.2734
Hunter-Lab	74.9774, -18.7104, -25.6584

Details

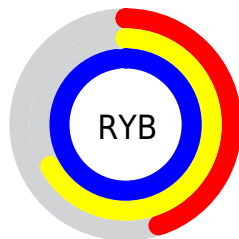
The Yxy color **56.2161, 0.2336, 0.2779** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.6869, 0.4450, 0.3722**, and the grayscale version is **48.8677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **27.9711, 0.2152, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **51.0668, 0.2219, 0.2664**, and if you desaturate by 10%, it is **62.0106, 0.2468, 0.2890**.

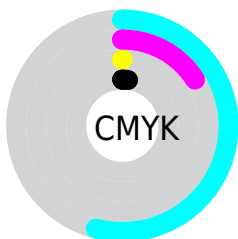
Distribution



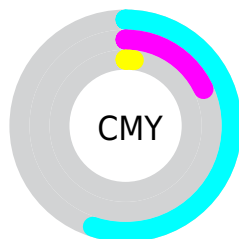
- Red (45%)
- Green (82%)
- Blue (98%)



- Red (45%)
- Yellow (67%)
- Blue (98%)



- Cyan (54%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (55%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2161, 0.2336, 0.2779 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 56.2161, 0.2336, 0.2779 by changing the saturation by 10% instead.

■ 56.2161, 0.2336,
0.2779

■ 56.2161, 0.2336,
0.2779

■ 410.5054, 0.2705,
0.3031

■ 40.3762, 0.2252,
0.2718

■ 99.3205, 0.2464,
0.2869

■ 27.8320, 0.2148,
0.2642

■ 127.3537, 0.2514,
0.2903

■ 18.1991, 0.2018,
0.2544

■ 160.2203, 0.2557,
0.2932

■ 11.0930, 0.1851,
0.2413

■ 198.3044, 0.2594,
0.2957

■ 6.1294, 0.1629,
0.2230

■ 241.9906, 0.2627,
0.2979

■ 2.9239, 0.1327,
0.1964

■ 291.6632, 0.2656,

■ 1.0921, 0.0887,

0.2998

0.1561

347.7067, 0.2682,
0.3015

0.0000, 0.0000,
0.0000

56.2161, 0.2336,
0.2779

56.2161, 0.2336,
0.2779

51.0668, 0.2219,
0.2664

62.0106, 0.2468,
0.2890

46.5160, 0.2121,
0.2547

68.4802, 0.2611,
0.2994

42.5193, 0.2042,
0.2429

75.6600, 0.2761,
0.3091

39.0206, 0.1984,
0.2313

83.5803, 0.2916,
0.3181

36.9993, 0.1956,
0.2240

92.2696, 0.3071,
0.3263

99.6166, 0.3156,
0.3337

99.6834, 0.3156,
0.3338

Harmonies

Analogous

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



56.2161, 0.2383, 0.3111



56.2161, 0.2336, 0.2779



56.2161, 0.2479, 0.2610

Triad

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



56.2161, 0.2336, 0.2779



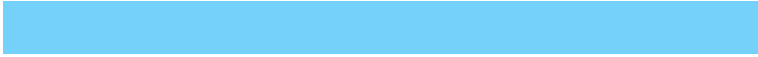
56.2161, 0.3643, 0.3042



56.2161, 0.3425, 0.4072

Complementary

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



56.2161, 0.2336, 0.2779



45.6869, 0.4450, 0.3722

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.



56.2161, 0.3791, 0.3987



56.2161, 0.2336, 0.2779



56.2161, 0.3931, 0.3382

Square

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



56.2161, 0.2336, 0.2779



56.2161, 0.3216, 0.2768



56.2161, 0.3983, 0.3724



56.2161, 0.2994, 0.3907

Rectangle

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



56.2161, 0.2336, 0.2779



56.2161, 0.2672, 0.2593



56.2161, 0.3983, 0.3724



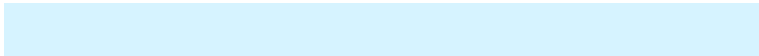
56.2161, 0.3560, 0.4069

Sweetspot

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



56.2182, 0.2336, 0.2779



85.3605, 0.2879, 0.3160



74.4990, 0.2867, 0.4507



17.8998, 0.2847, 0.3142



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.



56.2182, 0.2336, 0.2779



53.1859, 0.2214, 0.2659



30.1860, 0.2155, 0.1900



18.6599, 0.2980, 0.3216



19.8883, 0.1961, 0.2259



2.0293, 0.1999, 0.2396

Inverse Universe

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



37.4100, 0.3593, 0.2351



33.2913, 0.3722, 0.2210



74.4726, 0.4043, 0.4362



17.4288, 0.3185, 0.3127



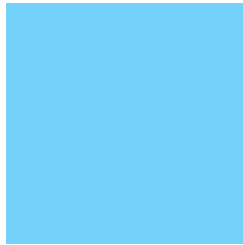
12.4186, 0.4170, 0.2071



1.1691, 0.4027, 0.1992

Previews

White Background



This preview shows how the Yxy color 56.2161, 0.2336, 0.2779 looks on a white background.

Color Contrast Check

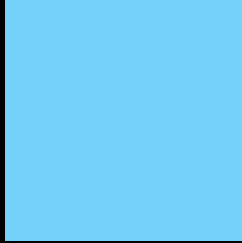
Large Text (above 18pt) WCAG AA × Fail

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 56.2161, 0.2336, 0.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

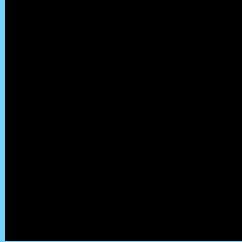
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2161, 0.2336, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 56.2161, 0.2336, 0.2779.

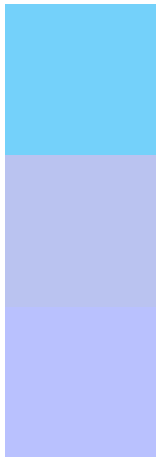


This preview shows how white text looks on a background with the Yxy color 56.2161, 0.2336, 0.2779.

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

56.2161, 0.2336, 0.2779

Protanopia

55.7606, 0.2754, 0.2767

Deuteranopia

55.6100, 0.2661, 0.2598



Tritanopia

56.5529, 0.2407, 0.3067

Trichromacy



Original Color

56.2161, 0.2336, 0.2779



Protanomaly

55.4173, 0.2576, 0.2762



Deuteranomaly

55.4123, 0.2520, 0.2652



Tritanomaly

56.6461, 0.2385, 0.2969

Monochromacy



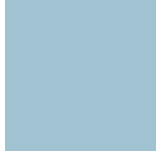
Original Color

56.2161, 0.2336, 0.2779



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

50.7641, 0.2775, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2161, 0.2336, 0.2779 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, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(116, 209, 250)  
}
```

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, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 209, 250) }
```

Border

The CSS property to change the border of an element to Yxy 56.2161, 0.2336, 0.2779 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, 209, 250) }
```

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

```
.border{ border-color:rgb(116, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(116, 209,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2161, 0.2336, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 209, 250) }
```

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

```
.background{ background-color: rgb(116,  
209, 250) }
```

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