

Converting Colors

$Y_{xy}(58.1389, 0.2276, 0.2781)$

Have a look what the booklet for
Yxy(58.1389, 0.2276, 0.2781)
contains.

Yxy(58.1379, 0.2276, 0.2781)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.1379, 0.2276, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	66D6FF
RGB	102, 214, 255
RGB Percent	40%, 84%, 100%
CMY	0.5998, 0.1608, 0.0000
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.5807, 58.1379, 103.3354
YIQ	185.1860, -79.9130, -10.9930

Conversions

Conversions Part 2

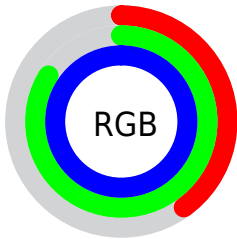
Format	Color
R _Y B	102, 167, 255
Decimal	6739711
CIE Lab	80.82, -20.30, -29.62
CIE LCh	81, 35.908, 235.578
Yxy	58.1379, 0.2276, 0.2781
Android (android.graphics.Color)	4284929791 (0xFF66D6FF)
YUV	185.1860, 34.4183, -72.9541
Hunter-Lab	76.2482, -22.0462, -26.9790

Details

The Yxy color **58.1379, 0.2276, 0.2781** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.8772, 0.4724, 0.3700**, and the grayscale version is **48.4682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **28.9669, 0.2079, 0.2644** is the 20% darker color. If you saturate the color by 10%, you get **53.4829, 0.2176, 0.2680**, and if you desaturate by 10%, it is **63.3982, 0.2393, 0.2880**.

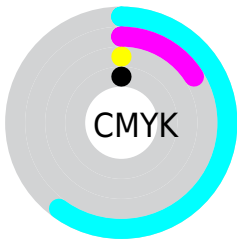
Distribution



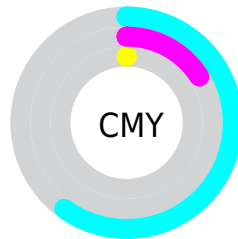
- Red (40%)
- Green (84%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1379, 0.2276, 0.2781 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 58.1379, 0.2276, 0.2781 by changing the saturation by 10% instead.


 58.1379, 0.2276,
0.2781

 58.1379, 0.2276,
0.2781


417.6996, 0.2669,
0.3032


 41.9195, 0.2187,
0.2721

 102.1236, 0.2412,
0.2871

 29.0383, 0.2079,
0.2645


 130.6598, 0.2465,
0.2905

 19.1098, 0.1944,
0.2547


 164.0707, 0.2511,
0.2934

 11.7496, 0.1772,
0.2416

202.7407, 0.2550,
0.2959

 6.5734, 0.1546,
0.2236

247.0541, 0.2586,
0.2981

 3.1968, 0.1244,
0.1974

297.3955, 0.2617,

 1.2353, 0.0822,

0.3000

0.1580

354.1492, 0.2644,
0.3017

0.0903, 0.0000,
0.0319

0.0000, 0.0000,
0.0000

58.1379, 0.2276,
0.2781

58.1379, 0.2276,
0.2781

53.4829, 0.2176,
0.2680

63.3982, 0.2393,
0.2880

49.3848, 0.2096,
0.2578

69.3006, 0.2525,
0.2974

45.7910, 0.2036,
0.2477

75.8817, 0.2668,
0.3063

42.6150, 0.1994,
0.2377

83.1745, 0.2818,
0.3145

■ 42.6104, 0.1994,
0.2376

■ 91.2090, 0.2972,
0.3221

100.0000, 0.3127,
0.3290

Harmonies

Analogous

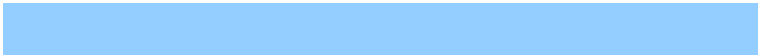
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.1379, 0.2355, 0.3157



58.1379, 0.2276, 0.2781



58.1379, 0.2400, 0.2576

Triad

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



58.1379, 0.2276, 0.2781



58.1379, 0.3620, 0.2976



58.1379, 0.3508, 0.4135

Complementary

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



58.1379, 0.2276, 0.2781



41.8772, 0.4724, 0.3700

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.



58.1379, 0.3882, 0.4004



58.1379, 0.2276, 0.2781



58.1379, 0.3962, 0.3331

Square

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



58.1379, 0.2276, 0.2781



58.1379, 0.3152, 0.2700



58.1379, 0.4056, 0.3701



58.1379, 0.3048, 0.4000

Rectangle

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



58.1379, 0.2276, 0.2781



58.1379, 0.2588, 0.2542



58.1379, 0.4056, 0.3701



58.1379, 0.3649, 0.4118

Sweetspot

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



58.1389, 0.2276, 0.2781



84.7094, 0.2848, 0.3161



76.3250, 0.2874, 0.4749



17.6518, 0.2804, 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.



58.1389, 0.2276, 0.2781



52.6138, 0.2158, 0.2660



28.1464, 0.2049, 0.1770



19.6092, 0.2980, 0.3225



22.5241, 0.1998, 0.2393



2.3734, 0.2030, 0.2508

Inverse Universe

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



35.6252, 0.3607, 0.2210



30.2633, 0.3739, 0.2071



73.0444, 0.4182, 0.4423



18.2124, 0.3179, 0.3118



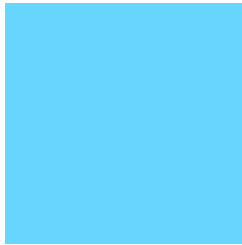
13.0018, 0.4030, 0.1994



1.2841, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 58.1379, 0.2276, 0.2781 looks on a white background.

Color Contrast Check

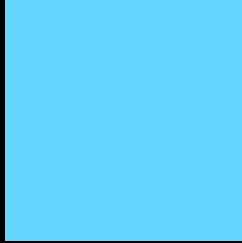
Large Text (above 18pt) WCAG AA × Fail

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 58.1379, 0.2276, 0.2781 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 58.1379, 0.2276, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 58.1379, 0.2276, 0.2781.

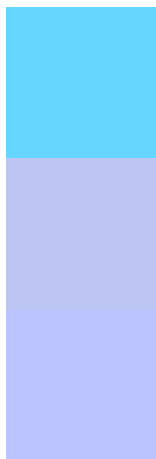


This preview shows how white text looks on a background with the Yxy color 58.1379, 0.2276, 0.2781.

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

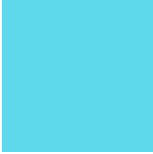
58.1379, 0.2276, 0.2781

Protanopia

57.2224, 0.2758, 0.2762

Deuteranopia

57.3912, 0.2678, 0.2626



Tritanopia

57.9510, 0.2336, 0.3055

Trichromacy



Original Color

58.1379, 0.2276, 0.2781



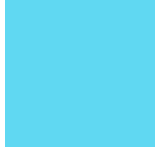
Protanomaly

56.5954, 0.2541, 0.2763



Deuteranomaly

57.1000, 0.2500, 0.2678



Tritanomaly

58.0093, 0.2314, 0.2956

Monochromacy



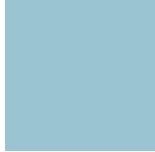
Original Color

58.1379, 0.2276, 0.2781



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.1016, 0.2730, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1379, 0.2276, 0.2781 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(102, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 214, 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(102, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.1379, 0.2276, 0.2781 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(102, 214, 255) }
```

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

```
.border{ border-color:rgb(102, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1379, 0.2276, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 214, 255) }
```

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

```
.background{ background-color: rgb(102,  
214, 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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