

Converting Colors

$Y_{xy}(58.2911, 0.2370, 0.2754)$

Have a look what the booklet for
Yxy(58.2911, 0.2370, 0.2754)
contains.

Yxy(58.3977, 0.2372, 0.2756)	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(58.3977, 0.2372, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	80D3FF
RGB	128, 211, 255
RGB Percent	50%, 83%, 100%
CMY	0.4975, 0.1726, 0.0000
CMYK	0.50, 0.17, 0.00, 0.00
HSL	201°, 100%, 75%
HSV	201°, 50%, 100%
XYZ	50.2610, 58.3977, 103.2343
YIQ	191.1990, -63.5920, -3.9120

Conversions

Conversions Part 2

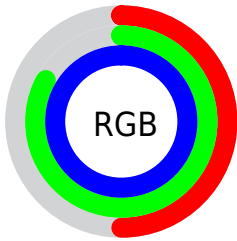
Format	Color
R _Y B	128, 178, 255
Decimal	8442879
CIE Lab	80.96, -13.60, -29.31
CIE LCh	81, 32.310, 245.107
Yxy	58.3977, 0.2372, 0.2756
Android (android.graphics.Color)	4286632959 (0xFF80D3FF)
YUV	191.1990, 31.4539, -55.4255
Hunter-Lab	76.4184, -16.3312, -26.6025

Details

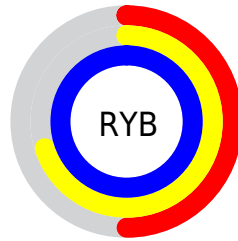
The Yxy color **58.3977, 0.2372, 0.2756** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.3839, 0.4289, 0.3749**, and the grayscale version is **52.0810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **29.0474, 0.2194, 0.2612** is the 20% darker color. If you saturate the color by 10%, you get **52.3866, 0.2243, 0.2626**, and if you desaturate by 10%, it is **65.1513, 0.2514, 0.2880**.

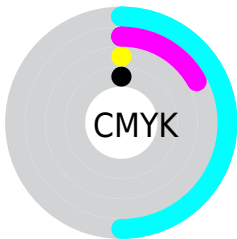
Distribution



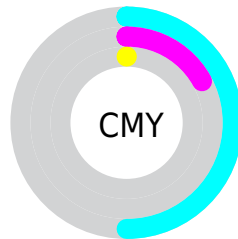
- Red (50%)
- Green (83%)
- Blue (100%)



- Red (50%)
- Yellow (70%)
- Blue (100%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3977, 0.2372, 0.2756 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 58.3977, 0.2372, 0.2756 by changing the saturation by 10% instead.

■ 58.3977, 0.2372,
0.2756

■ 58.3977, 0.2372,
0.2756

■ 418.6662, 0.2723,
0.3015

■ 42.1285, 0.2292,
0.2695

■ 102.5018, 0.2494,
0.2848

■ 29.2019, 0.2195,
0.2618

■ 131.1054, 0.2541,
0.2883

■ 19.2336, 0.2072,
0.2520

■ 164.5893, 0.2582,
0.2913

■ 11.8392, 0.1914,
0.2390

■ 203.3378, 0.2617,
0.2939

■ 6.6343, 0.1706,
0.2211

■ 247.7354, 0.2649,
0.2962

■ 3.2345, 0.1422,
0.1955

■ 298.1664, 0.2676,

■ 1.2553, 0.1026,

0.2982

0.1569

355.0152, 0.2701,
0.2999

0.1062, 0.0000,
0.0374

0.0000, 0.0000,
0.0000

58.3977, 0.2372,
0.2756

58.3977, 0.2372,
0.2756

52.3866, 0.2243,
0.2626

65.1513, 0.2514,
0.2880

47.0709, 0.2131,
0.2492

72.6798, 0.2664,
0.2997

42.4049, 0.2038,
0.2357

81.0196, 0.2819,
0.3105

38.3330, 0.1967,
0.2223

90.2030, 0.2976,
0.3203

■ 34.7688, 0.1915,
0.2091

100.0000, 0.3127,
0.3290

■ 34.6845, 0.1914,
0.2088

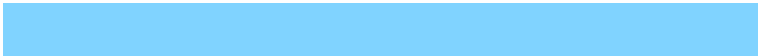
Harmonies

Analogous

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



58.3977, 0.2386, 0.3053



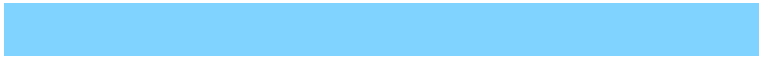
58.3977, 0.2372, 0.2756



58.3977, 0.2542, 0.2620

Triad

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



58.3977, 0.2372, 0.2756



58.3977, 0.3686, 0.3105



58.3977, 0.3345, 0.4034

Complementary

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



58.3977, 0.2372, 0.2756



52.3839, 0.4289, 0.3749

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.



58.3977, 0.3718, 0.3993



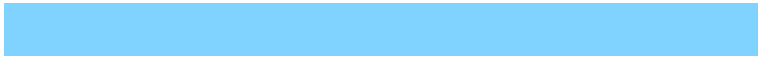
58.3977, 0.2372, 0.2756



58.3977, 0.3930, 0.3440

Square

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



58.3977, 0.2372, 0.2756



58.3977, 0.3289, 0.2824



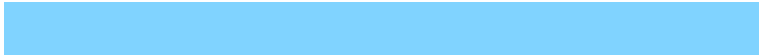
58.3977, 0.3938, 0.3764



58.3977, 0.2930, 0.3834

Rectangle

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



58.3977, 0.2372, 0.2756



58.3977, 0.2746, 0.2622



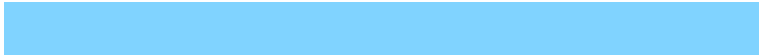
58.3977, 0.3938, 0.3764



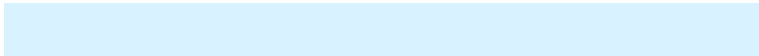
58.3977, 0.3480, 0.4046

Sweetspot

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



58.3995, 0.2372, 0.2756



85.2765, 0.2893, 0.3153



79.0377, 0.2860, 0.4348



17.8434, 0.2860, 0.3132



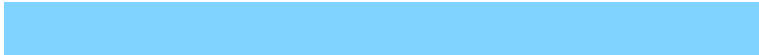
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



58.3995, 0.2372, 0.2756



52.2466, 0.2240, 0.2623



33.4020, 0.2218, 0.1962



19.3582, 0.2980, 0.3206



18.4134, 0.1920, 0.2110



1.9973, 0.1961, 0.2260

Inverse Universe

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



41.4351, 0.3603, 0.2458



35.0230, 0.3745, 0.2315



81.5853, 0.3956, 0.4330



18.1870, 0.3192, 0.3136



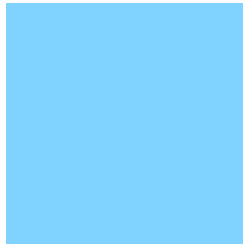
12.5868, 0.4330, 0.2159



1.2462, 0.4169, 0.2070

Previews

White Background



This preview shows how the Yxy color 58.3977, 0.2372, 0.2756 looks on a white background.

Color Contrast Check

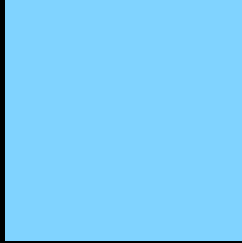
Large Text (above 18pt) WCAG AA × Fail

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 58.3977, 0.2372, 0.2756 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

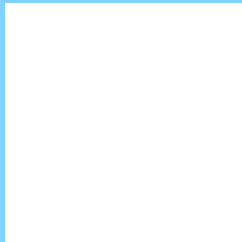
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.3977, 0.2372, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 58.3977, 0.2372, 0.2756.



This preview shows how white text looks on a background with the Yxy color 58.3977, 0.2372, 0.2756.

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

58.3977, 0.2372, 0.2756

Protanopia

57.8608, 0.2740, 0.2742

Deuteranopia

57.9713, 0.2686, 0.2639



Tritanopia

58.4920, 0.2455, 0.3072

Trichromacy



Original Color

58.3977, 0.2372, 0.2756

Protanomaly

57.7669, 0.2589, 0.2750

Deuteranomaly

57.6765, 0.2556, 0.2675

Tritanomaly

58.6695, 0.2429, 0.2963

Monochromacy



Original Color

58.3977, 0.2372, 0.2756

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.5680, 0.2795, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3977, 0.2372, 0.2756 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(128, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.3977, 0.2372, 0.2756 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(128, 211, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3977, 0.2372, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 211, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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