

Converting Colors

$Yxy(60.7102, 0.2197, 0.2587)$

Have a look what the booklet for
Yxy(60.7102, 0.2197, 0.2587)
contains.

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Color

Yxy(59.0411, 0.2275, 0.2806)

Conversions

Conversions Part 1

Format	Color
Hex	64D8FF
RGB	100, 216, 255
RGB Percent	39%, 85%, 100%
CMY	0.6076, 0.1530, 0.0000
CMYK	0.61, 0.15, 0.00, 0.00
HSL	195°, 100%, 70%
HSV	195°, 61%, 100%
XYZ	47.8683, 59.0411, 103.5008
YIQ	185.7620, -81.6550, -12.4630

Conversions

Conversions Part 2

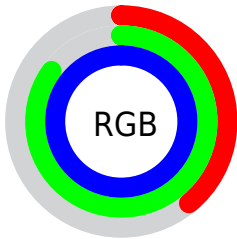
Format	Color
R _{YB}	100, 166, 255
Decimal	6609151
CIE Lab	81.31, -21.65, -28.87
CIE LCh	81, 36.082, 233.129
Yxy	59.0411, 0.2275, 0.2806
Android (android.graphics.Color)	4284799231 (0xFF64D8FF)
YUV	185.7620, 34.1343, -75.2133
Hunter-Lab	76.8382, -23.2657, -26.0767

Details

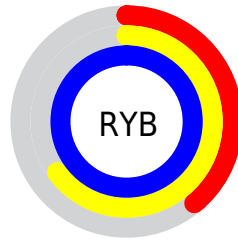
The Yxy color **59.0411, 0.2275, 0.2806** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **40.6639, 0.4773, 0.3677**, and the grayscale version is **48.8102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **29.5863, 0.2079, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **54.5820, 0.2179, 0.2712**, and if you desaturate by 10%, it is **64.0848, 0.2389, 0.2898**.

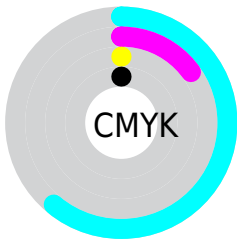
Distribution



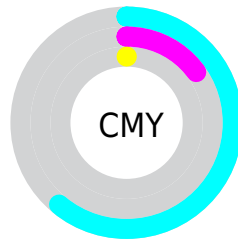
- Red (39%)
- Green (85%)
- Blue (100%)



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



- Cyan (61%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0411, 0.2275, 0.2806 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 59.0411, 0.2275, 0.2806 by changing the saturation by 10% instead.

 59.0411, 0.2275,
0.2806


 59.0411, 0.2275,
0.2806


421.0542, 0.2668,
0.3045


 42.6462, 0.2187,
0.2748


 103.4374, 0.2410,
0.2892

 29.6076, 0.2079,
0.2676

 132.2076, 0.2463,
0.2924

 19.5410, 0.1945,
0.2582


 165.8717, 0.2509,
0.2952

 12.0618, 0.1773,
0.2457

204.8140, 0.2549,
0.2976

 6.7858, 0.1549,
0.2283

249.4191, 0.2584,
0.2997

 3.3285, 0.1250,
0.2030

300.0712, 0.2615,

 1.3055, 0.0835,

0.3015

0.1646

357.1548, 0.2643,
0.3031

0.1455, 0.0000,
0.0502

0.0000, 0.0000,
0.0000

59.0411, 0.2275,
0.2806

59.0411, 0.2275,
0.2806

54.5820, 0.2179,
0.2712

64.0848, 0.2389,
0.2898

50.6602, 0.2103,
0.2617

69.7511, 0.2518,
0.2987

47.2221, 0.2047,
0.2522

76.0765, 0.2658,
0.3071

44.3977, 0.2010,
0.2436

83.0934, 0.2807,
0.3149

■ 90.8322, 0.2960,
0.3220

■ 99.3211, 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.



59.0411, 0.2371, 0.3194



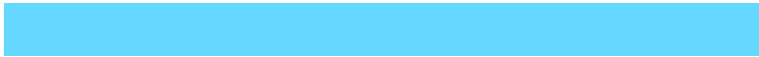
59.0411, 0.2275, 0.2806



59.0411, 0.2383, 0.2586

Triad

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



59.0411, 0.2275, 0.2806



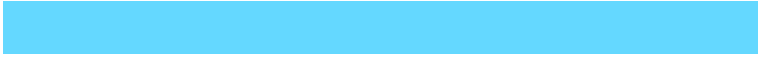
59.0411, 0.3585, 0.2949



59.0411, 0.3543, 0.4133

Complementary

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



59.0411, 0.2275, 0.2806



40.6639, 0.4773, 0.3677

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.



59.0411, 0.3905, 0.3984



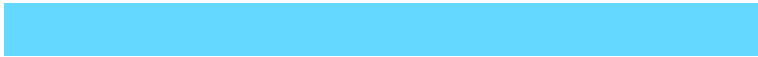
59.0411, 0.2275, 0.2806



59.0411, 0.3942, 0.3300

Square

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



59.0411, 0.2275, 0.2806



59.0411, 0.3113, 0.2683



59.0411, 0.4059, 0.3672



59.0411, 0.3086, 0.4021

Rectangle

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



59.0411, 0.2275, 0.2806



59.0411, 0.2561, 0.2542



59.0411, 0.4059, 0.3672



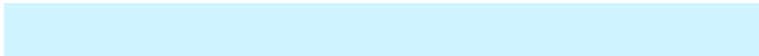
59.0411, 0.3681, 0.4109

Sweetspot

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



59.0417, 0.2275, 0.2806



85.1580, 0.2849, 0.3169



76.0905, 0.2883, 0.4804



17.7622, 0.2805, 0.3147



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.



59.0417, 0.2275, 0.2806



53.6596, 0.2160, 0.2691



28.3374, 0.2042, 0.1780



19.6615, 0.2980, 0.3229



23.4493, 0.2014, 0.2451



2.4569, 0.2044, 0.2558

Inverse Universe

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



35.3426, 0.3587, 0.2178



30.0588, 0.3713, 0.2038



71.4282, 0.4211, 0.4413



18.2176, 0.3177, 0.3114



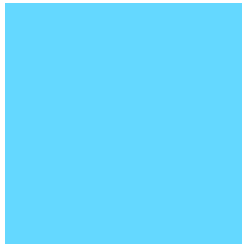
13.0952, 0.3971, 0.1961



1.2926, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 59.0411, 0.2275, 0.2806 looks on a white background.

Color Contrast Check

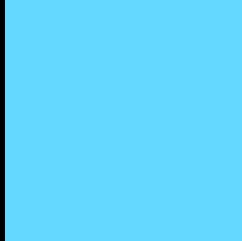
Large Text (above 18pt) WCAG AA × Fail

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 59.0411, 0.2275, 0.2806 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 59.0411, 0.2275, 0.2806

Background



This preview shows how black text looks on a background with the Yxy color 59.0411, 0.2275, 0.2806.



This preview shows how white text looks on a background with the Yxy color 59.0411, 0.2275, 0.2806.

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

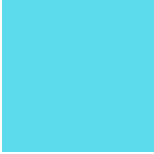
59.0411, 0.2275, 0.2806

Protanopia

58.3943, 0.2773, 0.2788

Deuteranopia

58.0997, 0.2693, 0.2640



Tritanopia

59.0528, 0.2330, 0.3056

Trichromacy



Original Color

59.0411, 0.2275, 0.2806

Protanomaly

57.6471, 0.2550, 0.2789

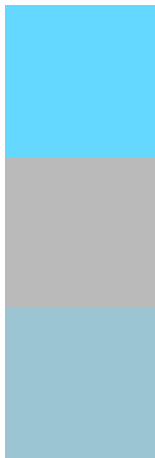
Deuteranomaly

57.5738, 0.2502, 0.2690

Tritanomaly

59.1074, 0.2308, 0.2958

Monochromacy



Original Color

59.0411, 0.2275, 0.2806

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

51.6042, 0.2725, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0411, 0.2275, 0.2806 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.0411, 0.2275, 0.2806 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, 216, 255) }
```

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

```
.border{ border-color:rgb(100, 216, 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, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 216, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 216, 255); box-shadow:4px 4px 4px 4px rgb(100, 216, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0411, 0.2275, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 216, 255) }
```

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

```
.background{ background-color: rgb(100,  
216, 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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