

Converting Colors

$Yxy(59.7851, 0.2285, 0.2823)$

Have a look what the booklet for
Yxy(59.7851, 0.2285, 0.2823)
contains.

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Color

Yxy(59.6705, 0.2285, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	66D9FF
RGB	102, 217, 255
RGB Percent	40%, 85%, 100%
CMY	0.5996, 0.1490, 0.0000
CMYK	0.60, 0.15, 0.00, 0.00
HSL	195°, 100%, 70%
HSV	195°, 60%, 100%
XYZ	48.3500, 59.6705, 103.5770
YIQ	186.9470, -80.7380, -12.5620

Conversions

Conversions Part 2

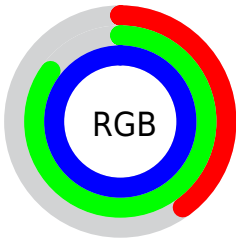
Format	Color
RYB	102, 168, 255
Decimal	6740479
CIELab	81.66, -21.81, -28.32
CIElCh	82, 35.742, 232.405
Yxy	59.6705, 0.2285, 0.2820
Android (android.graphics.Color)	4284930559 (0xFF66D9FF)
YUV	186.9470, 33.5501, -74.4985
Hunter-Lab	77.2467, -23.4555, -25.4269

Details

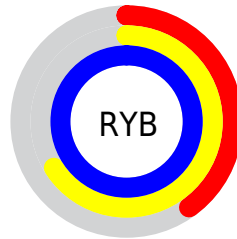
The Yxy color **59.6705, 0.2285, 0.2820** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **41.0086, 0.4746, 0.3669**, and the grayscale version is **49.5188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **30.0034, 0.2092, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **55.1981, 0.2188, 0.2727**, and if you desaturate by 10%, it is **64.7308, 0.2400, 0.2911**.

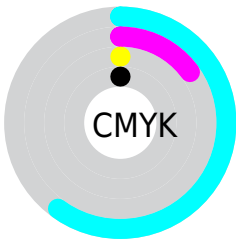
Distribution



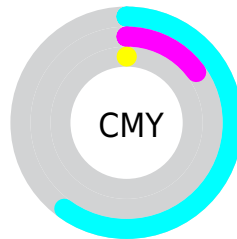
- Red (40%)
- Green (85%)
- Blue (100%)



- Red (40%)
- Yellow (66%)
- Blue (100%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6705, 0.2285, 0.2820 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 59.6705, 0.2285, 0.2820 by changing the saturation by 10% instead.


 59.6705, 0.2285,
0.2820

 59.6705, 0.2285,
0.2820


423.3822, 0.2673,
0.3052


 43.1531, 0.2198,
0.2764


 104.3515, 0.2419,
0.2903

 30.0053, 0.2092,
0.2693


 133.2840, 0.2471,
0.2935

 19.8426, 0.1959,
0.2602


 167.1235, 0.2516,
0.2962

 12.2807, 0.1790,
0.2481

206.2546, 0.2555,
0.2985

 6.9351, 0.1569,
0.2312

251.0616, 0.2590,
0.3005

 3.4216, 0.1273,
0.2065

301.9290, 0.2621,

 1.3556, 0.0865,

0.3023

0.1689

359.2410, 0.2648,
0.3038

0.1836, 0.0000,
0.0623

0.0000, 0.0000,
0.0000

59.6705, 0.2285,
0.2820

59.6705, 0.2285,
0.2820

55.1981, 0.2188,
0.2727

64.7308, 0.2400,
0.2911

51.2623, 0.2110,
0.2633

70.4122, 0.2529,
0.2998

47.8120, 0.2053,
0.2540

76.7520, 0.2670,
0.3080

44.7613, 0.2013,
0.2447

83.7827, 0.2819,
0.3156

■ 44.7498, 0.2013,
0.2447

■ 91.5342, 0.2973,
0.3226

100.0000, 0.3127,
0.3290

Harmonies

Analogous

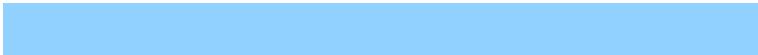
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6705, 0.2385, 0.3206



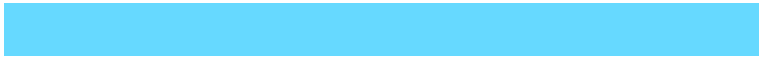
59.6705, 0.2285, 0.2820



59.6705, 0.2387, 0.2598

Triad

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



59.6705, 0.2285, 0.2820



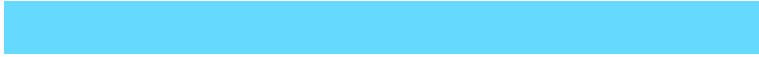
59.6705, 0.3568, 0.2946



59.6705, 0.3549, 0.4121

Complementary

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



59.6705, 0.2285, 0.2820



41.0086, 0.4746, 0.3669

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.



59.6705, 0.3902, 0.3970



59.6705, 0.2285, 0.2820



59.6705, 0.3925, 0.3292

Square

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



59.6705, 0.2285, 0.2820



59.6705, 0.3102, 0.2685



59.6705, 0.4047, 0.3660



59.6705, 0.3098, 0.4017

Rectangle

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



59.6705, 0.2285, 0.2820



59.6705, 0.2560, 0.2551



59.6705, 0.4047, 0.3660



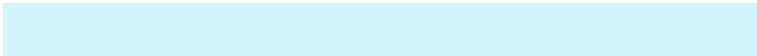
59.6705, 0.3683, 0.4095

Sweetspot

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



59.6726, 0.2285, 0.2820



85.2451, 0.2849, 0.3170



76.1791, 0.2896, 0.4814



17.7836, 0.2805, 0.3149



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.



59.6726, 0.2285, 0.2820



54.3534, 0.2171, 0.2708



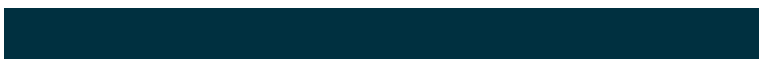
29.6573, 0.2064, 0.1836



19.6716, 0.2980, 0.3230



23.6314, 0.2017, 0.2462



2.4733, 0.2047, 0.2568

Inverse Universe

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



35.7917, 0.3573, 0.2185



30.4389, 0.3695, 0.2042



70.4291, 0.4213, 0.4380



18.2187, 0.3176, 0.3113



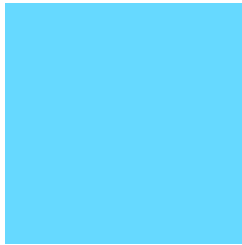
13.1136, 0.3960, 0.1955



1.2942, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 59.6705, 0.2285, 0.2820 looks on a white background.

Color Contrast Check

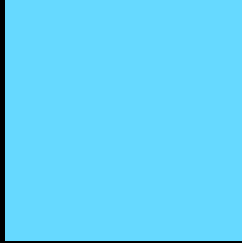
Large Text (above 18pt) WCAG AA × Fail

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 59.6705, 0.2285, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

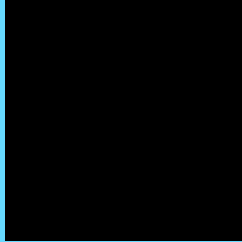
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6705, 0.2285, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 59.6705, 0.2285, 0.2820.



This preview shows how white text looks on a background with the Yxy color 59.6705, 0.2285, 0.2820.

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

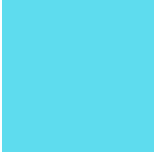
59.6705, 0.2285, 0.2820

Protanopia

58.9861, 0.2780, 0.2800

Deuteranopia

58.8146, 0.2707, 0.2654



Tritanopia

59.7391, 0.2336, 0.3057

Trichromacy



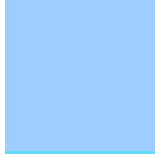
Original Color

59.6705, 0.2285, 0.2820



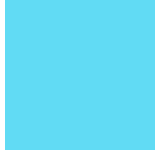
Protanomaly

58.2289, 0.2558, 0.2802



Deuteranomaly

58.2536, 0.2515, 0.2704



Tritanomaly

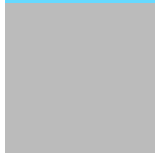
59.7361, 0.2318, 0.2972

Monochromacy



Original Color

59.6705, 0.2285, 0.2820



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.2096, 0.2726, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6705, 0.2285, 0.2820 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.6705, 0.2285, 0.2820 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, 217, 255) }
```

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

```
.border{ border-color:rgb(102, 217, 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, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6705, 0.2285, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 217, 255) }
```

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

```
.background{ background-color: rgb(102,  
217, 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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