

Converting Colors

$Y_{xy}(58.9282, 0.2249, 0.2725)$

Have a look what the booklet for
Yxy(58.9282, 0.2249, 0.2725)
contains.

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Color

Yxy(58.5302, 0.2272, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	64D7FF
RGB	100, 215, 255
RGB Percent	39%, 84%, 100%
CMY	0.6077, 0.1569, 0.0000
CMYK	0.61, 0.16, 0.00, 0.00
HSL	195°, 100%, 70%
HSV	195°, 61%, 100%
XYZ	47.6121, 58.5302, 103.4180
YIQ	185.1750, -81.3800, -11.9400

Conversions

Conversions Part 2

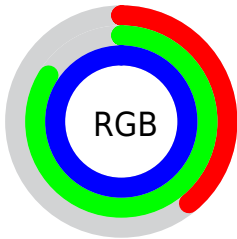
Format	Color
RYB	100, 166, 255
Decimal	6608895
CIELab	81.03, -21.15, -29.30
CIElCh	81, 36.133, 234.179
Yxy	58.5302, 0.2272, 0.2793
Android (android.graphics.Color)	4284798975 (0xFF64D7FF)
YUV	185.1750, 34.4237, -74.6985
Hunter-Lab	76.5050, -22.7962, -26.5936

Details

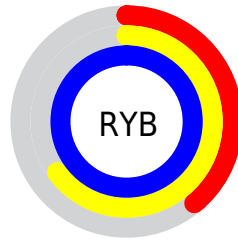
The Yxy color **58.5302, 0.2272, 0.2793** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **40.9504, 0.4766, 0.3687**, and the grayscale version is **48.4625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **29.2446, 0.2075, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **54.0108, 0.2175, 0.2696**, and if you desaturate by 10%, it is **63.6401, 0.2387, 0.2888**.

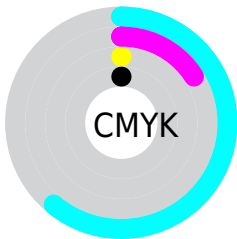
Distribution



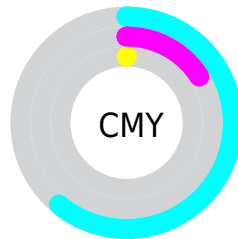
- Red (39%)
- Green (84%)
- Blue (100%)



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



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5302, 0.2272, 0.2793 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 58.5302, 0.2272, 0.2793 by changing the saturation by 10% instead.


 58.5302, 0.2272,
0.2793

 58.5302, 0.2272,
0.2793


419.1587, 0.2667,
0.3039


 42.2350, 0.2183,
0.2734


 102.6946, 0.2408,
0.2881

 29.2854, 0.2075,
0.2659


 131.3325, 0.2461,
0.2914

 19.2968, 0.1940,
0.2563


 164.8536, 0.2507,
0.2943

 11.8849, 0.1767,
0.2435

203.6421, 0.2547,
0.2967

 6.6654, 0.1542,
0.2257

248.0825, 0.2583,
0.2989

 3.2537, 0.1241,
0.1999

298.5591, 0.2614,

 1.2656, 0.0820,

0.3007

0.1610

355.4564, 0.2642,
0.3024

0.1143, 0.0000,
0.0399

0.0000, 0.0000,
0.0000

58.5302, 0.2272,
0.2793

58.5302, 0.2272,
0.2793

54.0108, 0.2175,
0.2696

63.6401, 0.2387,
0.2888

50.0353, 0.2098,
0.2598

69.3794, 0.2516,
0.2979

46.5495, 0.2041,
0.2501

75.7843, 0.2658,
0.3065

43.6881, 0.2004,
0.2412

82.8875, 0.2807,
0.3145

■ 90.7194, 0.2960,
0.3218

■ 99.3083, 0.3115,
0.3285

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

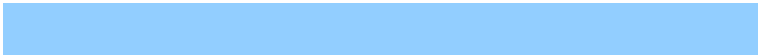
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.5302, 0.2361, 0.3178



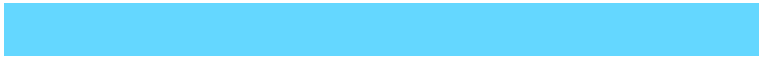
58.5302, 0.2272, 0.2793



58.5302, 0.2387, 0.2579

Triad

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



58.5302, 0.2272, 0.2793



58.5302, 0.3602, 0.2959



58.5302, 0.3530, 0.4138

Complementary

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



58.5302, 0.2272, 0.2793



40.9504, 0.4766, 0.3687

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.



58.5302, 0.3899, 0.3996



58.5302, 0.2272, 0.2793



58.5302, 0.3954, 0.3313

Square

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



58.5302, 0.2272, 0.2793



58.5302, 0.3130, 0.2688



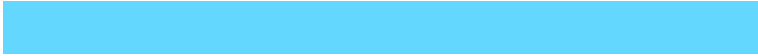
58.5302, 0.4062, 0.3686



58.5302, 0.3069, 0.4016

Rectangle

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



58.5302, 0.2272, 0.2793



58.5302, 0.2570, 0.2539



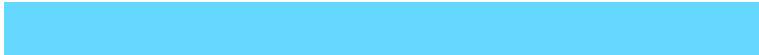
58.5302, 0.4062, 0.3686



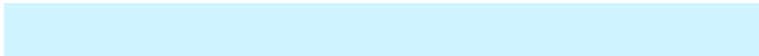
58.5302, 0.3669, 0.4116

Sweetspot

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



58.5306, 0.2272, 0.2793



84.9812, 0.2849, 0.3166



76.0894, 0.2883, 0.4804



17.7187, 0.2804, 0.3144



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.



58.5306, 0.2272, 0.2793



53.0781, 0.2156, 0.2674



28.3336, 0.2042, 0.1780



19.6409, 0.2980, 0.3227



23.0820, 0.2008, 0.2428



2.4238, 0.2039, 0.2538

Inverse Universe

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



35.2884, 0.3598, 0.2186



30.0000, 0.3727, 0.2047



71.4262, 0.4212, 0.4413



18.2156, 0.3178, 0.3115



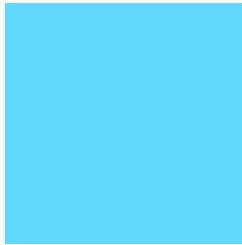
13.0581, 0.3994, 0.1974



1.2892, 0.3884, 0.1913

Previews

White Background



This preview shows how the Yxy color 58.5302, 0.2272, 0.2793 looks on a white background.

Color Contrast Check

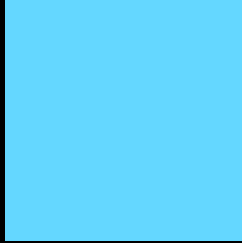
Large Text (above 18pt) WCAG AA × Fail

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 58.5302, 0.2272, 0.2793 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 58.5302, 0.2272, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 58.5302, 0.2272, 0.2793.



This preview shows how white text looks on a background with the Yxy color 58.5302, 0.2272, 0.2793.

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

58.5302, 0.2272, 0.2793

Protanopia

57.8064, 0.2765, 0.2775

Deuteranopia

57.9713, 0.2686, 0.2639



Tritanopia

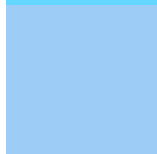
58.4231, 0.2328, 0.3055

Trichromacy



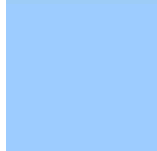
Original Color

58.5302, 0.2272, 0.2793



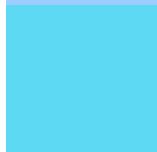
Protanomaly

57.0692, 0.2543, 0.2776



Deuteranomaly

57.5738, 0.2502, 0.2690



Tritanomaly

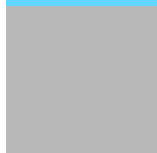
58.4765, 0.2306, 0.2957

Monochromacy



Original Color

58.5302, 0.2272, 0.2793



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.0030, 0.2723, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5302, 0.2272, 0.2793 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.5302, 0.2272, 0.2793 is called "border". The border property can be set on classes, ids or directly on the HTML element.

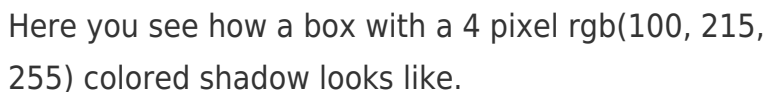
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 215, 255) }
```

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

```
.border{ border-color:rgb(100, 215, 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, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5302, 0.2272, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 215, 255) }
```

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

```
.background{ background-color: rgb(100,  
215, 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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