

Converting Colors

$Yxy(59.0764, 0.2281, 0.2805)$

Have a look what the booklet for
Yxy(59.0764, 0.2281, 0.2805)
contains.

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Color

Yxy(59.1565, 0.2282, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	66D8FF
RGB	102, 216, 255
RGB Percent	40%, 85%, 100%
CMY	0.5997, 0.1530, 0.0000
CMYK	0.60, 0.15, 0.00, 0.00
HSL	195°, 100%, 70%
HSV	195°, 60%, 100%
XYZ	48.0923, 59.1565, 103.4975
YIQ	186.3600, -80.4630, -12.0390

Conversions

Conversions Part 2

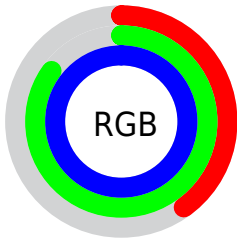
Format	Color
RYB	102, 167, 255
Decimal	6740223
CIELab	81.38, -21.30, -28.75
CIELCh	81, 35.786, 233.466
Yxy	59.1565, 0.2282, 0.2807
Android (android.graphics.Color)	4284930303 (0xFF66D8FF)
YUV	186.3600, 33.8395, -73.9837
Hunter-Lab	76.9133, -22.9857, -25.9437

Details

The Yxy color **59.1565, 0.2282, 0.2807** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **41.2959, 0.4738, 0.3679**, and the grayscale version is **49.1671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **29.6525, 0.2087, 0.2679** is the 20% darker color. If you saturate the color by 10%, you get **54.6219, 0.2184, 0.2711**, and if you desaturate by 10%, it is **64.2844, 0.2398, 0.2900**.

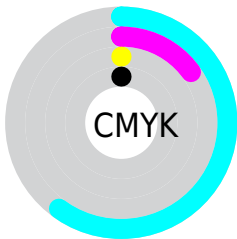
Distribution



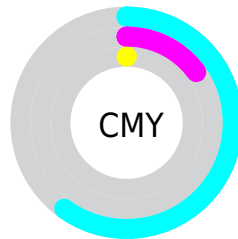
- Red (40%)
- Green (85%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- 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 59.1565, 0.2282, 0.2807 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 59.1565, 0.2282, 0.2807 by changing the saturation by 10% instead.


 59.1565, 0.2282,
0.2807


 59.1565, 0.2282,
0.2807


421.4816, 0.2672,
0.3046


 42.7391, 0.2194,
0.2750


 103.6051, 0.2416,
0.2892

 29.6805, 0.2087,
0.2677


 132.4051, 0.2469,
0.2925

 19.5962, 0.1954,
0.2584


 166.1014, 0.2514,
0.2952

 12.1019, 0.1784,
0.2459

205.0784, 0.2554,
0.2976

 6.8131, 0.1561,
0.2286

249.7206, 0.2589,
0.2997

 3.3455, 0.1264,
0.2035

300.4122, 0.2619,

 1.3146, 0.0851,

0.3015

0.1652

357.5378, 0.2647,
0.3031

0.1525, 0.0000,
0.0525

0.0000, 0.0000,
0.0000

59.1565, 0.2282,
0.2807

59.1565, 0.2282,
0.2807

54.6219, 0.2184,
0.2711

64.2844, 0.2398,
0.2900

50.6308, 0.2106,
0.2615

70.0402, 0.2528,
0.2990

47.1313, 0.2047,
0.2519

76.4612, 0.2669,
0.3074

44.0373, 0.2007,
0.2424

83.5798, 0.2819,
0.3153

■ 44.0280, 0.2007,
0.2424

■ 91.4260, 0.2973,
0.3225

100.0000, 0.3127,
0.3290

Harmonies

Analogous

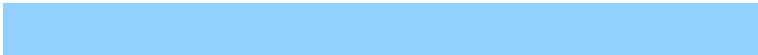
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.1565, 0.2375, 0.3190



59.1565, 0.2282, 0.2807



59.1565, 0.2391, 0.2590

Triad

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



59.1565, 0.2282, 0.2807



59.1565, 0.3586, 0.2956



59.1565, 0.3535, 0.4126

Complementary

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



59.1565, 0.2282, 0.2807



41.2959, 0.4738, 0.3679

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.



59.1565, 0.3895, 0.3981



59.1565, 0.2282, 0.2807



59.1565, 0.3937, 0.3305

Square

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



59.1565, 0.2282, 0.2807



59.1565, 0.3119, 0.2690



59.1565, 0.4050, 0.3673



59.1565, 0.3082, 0.4011

Rectangle

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



59.1565, 0.2282, 0.2807



59.1565, 0.2569, 0.2548



59.1565, 0.4050, 0.3673



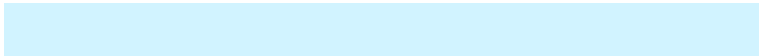
59.1565, 0.3672, 0.4103

Sweetspot

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



59.1581, 0.2282, 0.2807



85.0661, 0.2849, 0.3167



76.2520, 0.2885, 0.4781



17.7396, 0.2805, 0.3146



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.



59.1581, 0.2282, 0.2807



53.7687, 0.2166, 0.2692



28.8962, 0.2056, 0.1803



19.6508, 0.2980, 0.3228



23.2579, 0.2011, 0.2439



2.4397, 0.2041, 0.2548

Inverse Universe

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



35.7360, 0.3584, 0.2194



30.3799, 0.3710, 0.2052



71.7281, 0.4197, 0.4402



18.2166, 0.3177, 0.3115



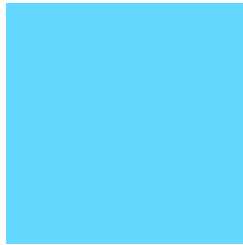
13.0759, 0.3983, 0.1968



1.2908, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 59.1565, 0.2282, 0.2807 looks on a white background.

Color Contrast Check

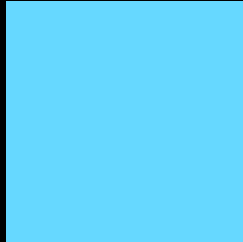
Large Text (above 18pt) WCAG AA × Fail

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 59.1565, 0.2282, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

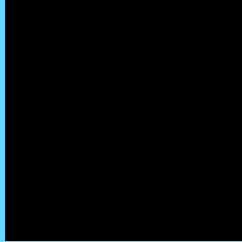
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.1565, 0.2282, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 59.1565, 0.2282, 0.2807.



This preview shows how white text looks on a background with the Yxy color 59.1565, 0.2282, 0.2807.

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

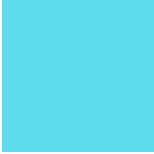
59.1565, 0.2282, 0.2807

Protanopia

58.3943, 0.2773, 0.2788

Deuteranopia

58.5553, 0.2694, 0.2652



Tritanopia

59.1571, 0.2337, 0.3056

Trichromacy



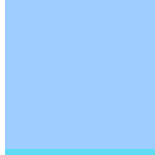
Original Color

59.1565, 0.2282, 0.2807



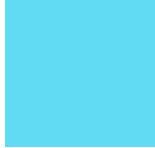
Protanomaly

57.7490, 0.2556, 0.2790



Deuteranomaly

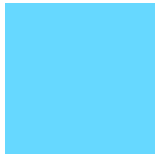
58.1517, 0.2509, 0.2703



Tritanomaly

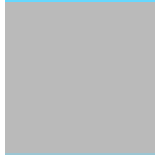
59.2158, 0.2315, 0.2959

Monochromacy



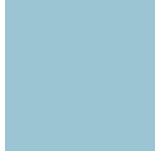
Original Color

59.1565, 0.2282, 0.2807



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 59.1565, 0.2282, 0.2807 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.1565, 0.2282, 0.2807 is called "border". The border property can be set on classes, ids or directly on the HTML element.

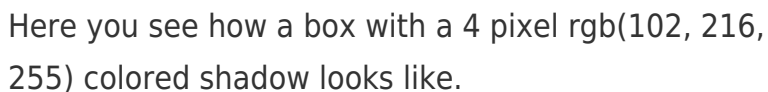
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 216, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1565, 0.2282, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 216, 255) }
```

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

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