

Converting Colors

$Yxy(59.4755, 0.2305, 0.2915)$

Have a look what the booklet for
Yxy(59.4755, 0.2305, 0.2915)
contains.

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Color

Yxy(59.5728, 0.2306, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	63DAF8
RGB	99, 218, 248
RGB Percent	39%, 85%, 97%
CMY	0.6111, 0.1452, 0.0274
CMYK	0.60, 0.12, 0.00, 0.03
HSL	192°, 91%, 68%
HSV	192°, 60%, 97%
XYZ	47.1754, 59.5728, 97.8287
YIQ	185.8390, -80.5540, -15.8980

Conversions

Conversions Part 2

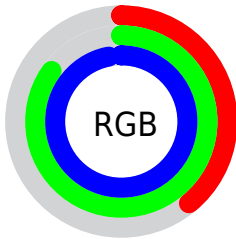
Format	Color
R_{YB}	99, 165, 248
Decimal	6544120
CIE _{Lab}	81.61, -24.83, -24.70
CIE _{LCh}	82, 35.028, 224.849
Yxy	59.5728, 0.2306, 0.2912
Android (android.graphics.Color)	4284734200 (0xFF63DAF8)
YUV	185.8390, 30.6454, -76.1578
Hunter-Lab	77.1834, -25.9696, -21.1207

Details

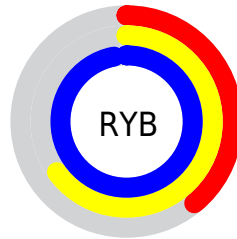
The Yxy color **59.5728, 0.2306, 0.2912** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **36.6179, 0.4798, 0.3597**, and the grayscale version is **48.8930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **30.0195, 0.2114, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **55.8272, 0.2216, 0.2838**, and if you desaturate by 10%, it is **63.8302, 0.2414, 0.2984**.

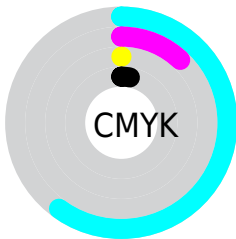
Distribution



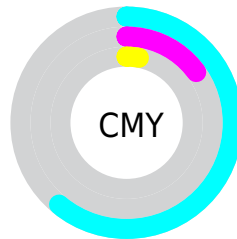
- Red (39%)
- Green (85%)
- Blue (97%)



- Red (39%)
- Yellow (65%)
- Blue (97%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (61%)
- Magenta (15%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.5728, 0.2306, 0.2912 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 59.5728, 0.2306, 0.2912 by changing the saturation by 10% instead.


 59.5728, 0.2306,
0.2912


 59.5728, 0.2306,
0.2912

423.0213, 0.2685,
0.3102


 43.0744, 0.2221,
0.2865


 104.2097, 0.2437,
0.2981

 29.9435, 0.2116,
0.2806


 133.1170, 0.2488,
0.3007

 19.7957, 0.1985,
0.2728


 166.9294, 0.2532,
0.3029

 12.2466, 0.1817,
0.2623

206.0312, 0.2571,
0.3048

 6.9119, 0.1596,
0.2473

250.8070, 0.2604,
0.3064

 3.4070, 0.1298,
0.2250

301.6410, 0.2634,

 1.3478, 0.0865,

0.3078

0.1897

358.9176, 0.2661,
0.3091

0.1777, 0.0000,
0.0726

0.0000, 0.0000,
0.0000

59.5728, 0.2306,
0.2912

59.5728, 0.2306,
0.2912

55.8272, 0.2216,
0.2838

63.8302, 0.2414,
0.2984

52.5453, 0.2145,
0.2763

68.6290, 0.2538,
0.3054


49.6804, 0.2094,
0.2689

74.0039, 0.2675,
0.3120


47.1542, 0.2060,
0.2616

79.9845, 0.2820,
0.3181

 86.5984, 0.2972,
0.3238

 93.8710, 0.3127,
0.3290

 98.2957, 0.3169,
0.3338

 99.5581, 0.3168,
0.3357

Harmonies

Analogous

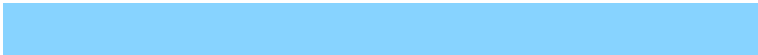
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.5728, 0.2454, 0.3321



59.5728, 0.2306, 0.2912



59.5728, 0.2357, 0.2649

Triad

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



59.5728, 0.2306, 0.2912



59.5728, 0.3449, 0.2878



59.5728, 0.3642, 0.4088

Complementary

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



59.5728, 0.2306, 0.2912



36.6179, 0.4798, 0.3597

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.



59.5728, 0.3946, 0.3892



59.5728, 0.2306, 0.2912



59.5728, 0.3839, 0.3202

Square

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



59.5728, 0.2306, 0.2912



59.5728, 0.2989, 0.2650



59.5728, 0.4024, 0.3565



59.5728, 0.3213, 0.4053

Rectangle

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



59.5728, 0.2306, 0.2912



59.5728, 0.2497, 0.2573



59.5728, 0.4024, 0.3565



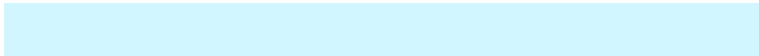
59.5728, 0.3763, 0.4044

Sweetspot

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



59.5750, 0.2306, 0.2912



86.5429, 0.2850, 0.3193



71.3889, 0.2917, 0.4878



18.1034, 0.2807, 0.3176



0.0000, 0.0000, 0.0000



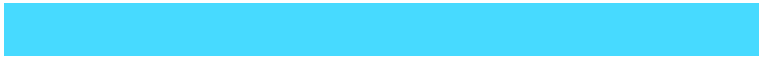
21.4041, 0.3127, 0.3290

Same Dimension

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



59.5750, 0.2306, 0.2912



58.6951, 0.2199, 0.2822



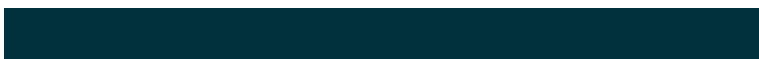
29.3350, 0.2079, 0.1903



18.9787, 0.2980, 0.3241



25.6746, 0.2063, 0.2628



2.5234, 0.2088, 0.2716

Inverse Universe

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



33.9771, 0.3496, 0.2127



30.8772, 0.3593, 0.1975



63.7462, 0.4245, 0.4336



17.4610, 0.3169, 0.3103



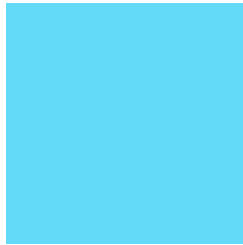
13.0028, 0.3797, 0.1865



1.2190, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 59.5728, 0.2306, 0.2912 looks on a white background.

Color Contrast Check

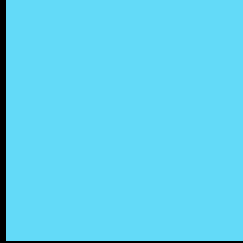
Large Text (above 18pt) WCAG AA × Fail

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 59.5728, 0.2306, 0.2912 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 59.5728, 0.2306, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 59.5728, 0.2306, 0.2912.

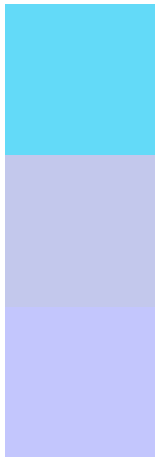


This preview shows how white text looks on a background with the Yxy color 59.5728, 0.2306, 0.2912.

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

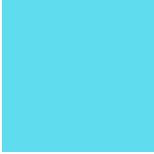
59.5728, 0.2306, 0.2912

Protanopia

58.9668, 0.2845, 0.2877

Deuteranopia

59.0821, 0.2739, 0.2678



Tritanopia

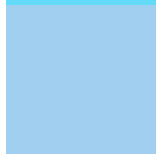
59.7923, 0.2339, 0.3058

Trichromacy



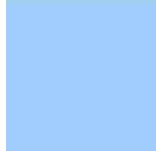
Original Color

59.5728, 0.2306, 0.2912



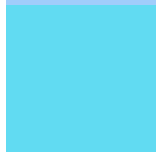
Protanomaly

58.3905, 0.2603, 0.2893



Deuteranomaly

58.1013, 0.2541, 0.2747



Tritanomaly

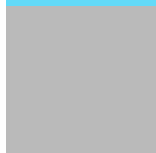
59.6152, 0.2326, 0.2996

Monochromacy



Original Color

59.5728, 0.2306, 0.2912



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.8616, 0.2732, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5728, 0.2306, 0.2912 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(99, 218, 248)` looks like.

```
.text, #text, p{  
    color:rgb(99, 218, 248)  
}
```

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(99, 218, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 218, 248) }
```

Border

The CSS property to change the border of an element to Yxy 59.5728, 0.2306, 0.2912 is called "border". The border property can be set on classes, ids or directly on the HTML element.

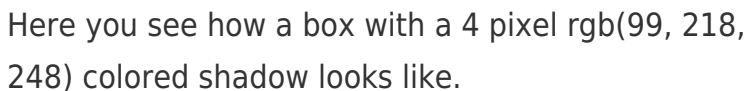
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 218, 248) }
```

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

```
.border{ border-color:rgb(99, 218, 248) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(99, 218, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 218, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 218, 248); box-shadow:4px 4px 4px 4px rgb(99, 218, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5728, 0.2306, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 218, 248) }
```

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

```
.background{ background-color: rgb(99, 218,  
248) }
```

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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