

Converting Colors

$Yxy(59.6573, 0.2241, 0.2835)$

Have a look what the booklet for
Yxy(59.6573, 0.2241, 0.2835)
contains.

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Color

Yxy(59.9093, 0.2243, 0.2841)

Conversions

Conversions Part 1

Format	Color
Hex	57DBFF
RGB	87, 219, 255
RGB Percent	34%, 86%, 100%
CMY	0.6594, 0.1411, 0.0001
CMYK	0.66, 0.14, 0.00, 0.00
HSL	193°, 100%, 67%
HSV	193°, 66%, 100%
XYZ	47.2990, 59.9093, 103.6657
YIQ	183.6360, -90.2280, -16.7880

Conversions

Conversions Part 2

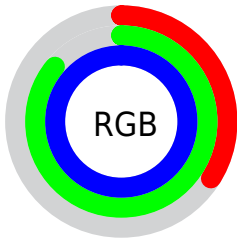
Format	Color
R _Y B	87, 161, 255
Decimal	5757951
CIE Lab	81.79, -25.28, -28.15
CIE LCh	82, 37.836, 228.077
Yxy	59.9093, 0.2243, 0.2841
Android (android.graphics.Color)	4283948031 (0xFF57DBFF)
YUV	183.6360, 35.1825, -84.7498
Hunter-Lab	77.4011, -26.3724, -25.2281

Details

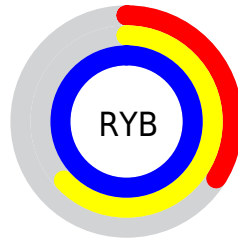
The Yxy color **59.9093, 0.2243, 0.2841** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.0637, 0.5032, 0.3629**, and the grayscale version is **47.5410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **56.0958, 0.2163, 0.2762**, and if you desaturate by 10%, it is **64.2534, 0.2343, 0.2919**.

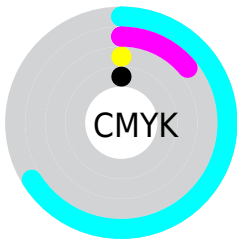
Distribution



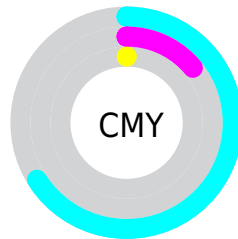
- Red (34%)
- Green (86%)
- Blue (100%)



- Red (34%)
- Yellow (63%)
- Blue (100%)



- Cyan (66%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9093, 0.2243, 0.2841 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 59.9093, 0.2243, 0.2841 by changing the saturation by 10% instead.


 59.9093, 0.2243,
0.2841


 59.9093, 0.2243,
0.2841


424.2634, 0.2649,
0.3065

 43.3455, 0.2152,
0.2786

 104.6981, 0.2382,
0.2922

 30.1563, 0.2042,
0.2718


 133.6919, 0.2437,
0.2952

 19.9573, 0.1904,
0.2628

 167.5978, 0.2484,
0.2978

 12.3640, 0.1729,
0.2508

 206.8003, 0.2526,
0.3000

 6.9921, 0.1502,
0.2341

251.6837, 0.2562,
0.3020

 3.4571, 0.1201,
0.2096

302.6324, 0.2594,

 1.3748, 0.0780,

0.3037

0.1721

360.0308, 0.2623,
0.3052

0.1980, 0.0000,
0.0667

0.0000, 0.0000,
0.0000

59.9093, 0.2243,
0.2841

59.9093, 0.2243,
0.2841

56.0958, 0.2163,
0.2762

64.2534, 0.2343,
0.2919

52.7573, 0.2102,
0.2682

69.1634, 0.2459,
0.2995

49.8356, 0.2061,
0.2603

74.6786, 0.2590,
0.3068

48.7323, 0.2048,
0.2572

80.8327, 0.2732,
0.3136

■ 87.6565, 0.2881,
0.3200

■ 95.1786, 0.3035,
0.3258

99.9991, 0.3127,
0.3290

Harmonies

Analogous

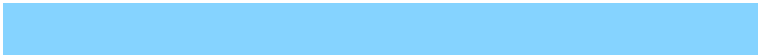
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.9093, 0.2377, 0.3268



59.9093, 0.2243, 0.2841



59.9093, 0.2320, 0.2582

Triad

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



59.9093, 0.2243, 0.2841



59.9093, 0.3525, 0.2881



59.9093, 0.3633, 0.4161

Complementary

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



59.9093, 0.2243, 0.2841



36.0637, 0.5032, 0.3629

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.



59.9093, 0.3982, 0.3965



59.9093, 0.2243, 0.2841



59.9093, 0.3930, 0.3234

Square

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



59.9093, 0.2243, 0.2841



59.9093, 0.3029, 0.2625



59.9093, 0.4099, 0.3621



59.9093, 0.3164, 0.4096

Rectangle

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



59.9093, 0.2243, 0.2841



59.9093, 0.2483, 0.2516



59.9093, 0.4099, 0.3621



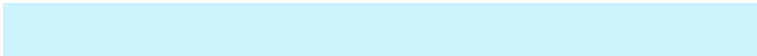
59.9093, 0.3769, 0.4120

Sweetspot

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



59.9115, 0.2243, 0.2841



84.8132, 0.2820, 0.3175



74.8979, 0.2910, 0.5057



17.7449, 0.2778, 0.3157



0.0000, 0.0000, 0.0000



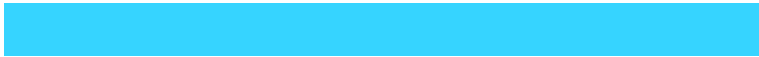
21.4041, 0.3127, 0.3290

Same Dimension

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



59.9115, 0.2243, 0.2841



55.0324, 0.2142, 0.2737



27.2124, 0.1979, 0.1740



19.7830, 0.2980, 0.3238



25.6937, 0.2051, 0.2585



2.6582, 0.2076, 0.2674

Inverse Universe

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



33.1651, 0.3567, 0.2060



28.6054, 0.3679, 0.1934



65.3886, 0.4362, 0.4410



18.2299, 0.3171, 0.3105



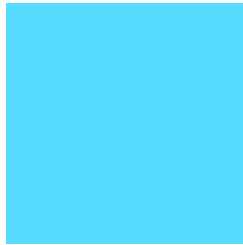
13.3218, 0.3839, 0.1888



1.3129, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 59.9093, 0.2243, 0.2841 looks on a white background.

Color Contrast Check

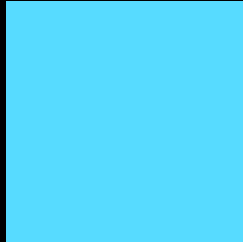
Large Text (above 18pt) WCAG AA × Fail

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 59.9093, 0.2243, 0.2841 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 59.9093, 0.2243, 0.2841

Background



This preview shows how black text looks on a background with the Yxy color 59.9093, 0.2243, 0.2841.

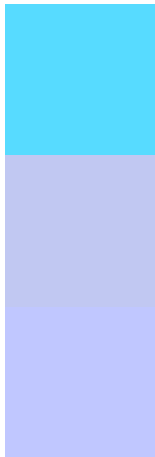


This preview shows how white text looks on a background with the Yxy color 59.9093, 0.2243, 0.2841.

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

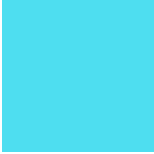
59.9093, 0.2243, 0.2841

Protanopia

59.0568, 0.2793, 0.2812

Deuteranopia

59.2733, 0.2708, 0.2666



Tritanopia

60.1535, 0.2286, 0.3056

Trichromacy



Original Color

59.9093, 0.2243, 0.2841



Protanomaly

58.2111, 0.2531, 0.2811



Deuteranomaly

58.2326, 0.2489, 0.2712



Tritanomaly

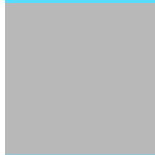
60.0548, 0.2271, 0.2983

Monochromacy



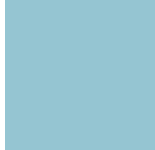
Original Color

59.9093, 0.2243, 0.2841



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.9752, 0.2691, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9093, 0.2243, 0.2841 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(87, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 219, 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(87, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.9093, 0.2243, 0.2841 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(87, 219, 255) }
```

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

```
.border{ border-color:rgb(87, 219, 255) }
```

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

Here you see how a box with a 4 pixel rgb(87, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9093, 0.2243, 0.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 255) }
```

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

```
.background{ background-color: rgb(87, 219,  
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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