

Converting Colors

$Yxy(59.4636, 0.2335, 0.2797)$

Have a look what the booklet for
Yxy(59.4636, 0.2335, 0.2797)
contains.

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Color

Yxy(59.6028, 0.2335, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	75D7FF
RGB	117, 215, 255
RGB Percent	46%, 84%, 100%
CMY	0.5412, 0.1568, 0.0000
CMYK	0.54, 0.16, 0.00, 0.00
HSL	197°, 100%, 73%
HSV	197°, 54%, 100%
XYZ	49.6867, 59.6028, 103.5016
YIQ	190.2580, -71.2480, -8.3360

Conversions

Conversions Part 2

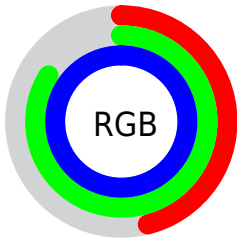
Format	Color
R _Y B	117, 174, 255
Decimal	7723007
CIE Lab	81.62, -18.00, -28.34
CIE LCh	82, 33.570, 237.573
Yxy	59.6028, 0.2335, 0.2801
Android (android.graphics.Color)	4285913087 (0xFF75D7FF)
YUV	190.2580, 31.9178, -64.2473
Hunter-Lab	77.2028, -20.2247, -25.4448

Details

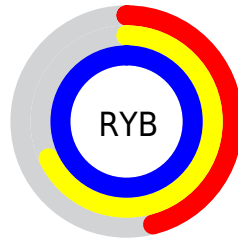
The Yxy color **59.6028, 0.2335, 0.2801** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.6556, 0.4484, 0.3702**, and the grayscale version is **51.4923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **29.8969, 0.2152, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **54.3928, 0.2221, 0.2693**, and if you desaturate by 10%, it is **65.4668, 0.2464, 0.2906**.

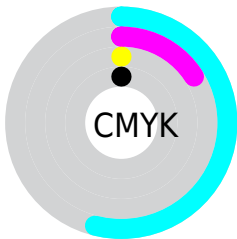
Distribution



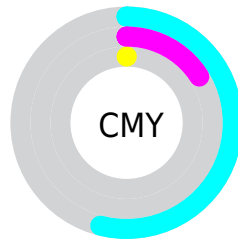
- Red (46%)
- Green (84%)
- Blue (100%)



- Red (46%)
- Yellow (68%)
- Blue (100%)



- Cyan (54%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6028, 0.2335, 0.2801 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 59.6028, 0.2335, 0.2801 by changing the saturation by 10% instead.


 59.6028, 0.2335,
0.2801


 59.6028, 0.2335,
0.2801


423.1322, 0.2701,
0.3040


 43.0986, 0.2253,
0.2744


 104.2533, 0.2461,
0.2886

 29.9625, 0.2151,
0.2672


 133.1683, 0.2511,
0.2919

 19.8101, 0.2025,
0.2580


 166.9890, 0.2553,
0.2946

 12.2571, 0.1863,
0.2457

206.0998, 0.2590,
0.2970

 6.9190, 0.1651,
0.2287

250.8852, 0.2623,
0.2991

 3.4115, 0.1363,
0.2042

301.7294, 0.2652,

 1.3502, 0.0967,

0.3010

0.1667

359.0169, 0.2678,
0.3026

0.1795, 0.0000,
0.0612

0.0000, 0.0000,
0.0000

59.6028, 0.2335,
0.2801

59.6028, 0.2335,
0.2801

54.3928, 0.2221,
0.2693

65.4668, 0.2464,
0.2906

49.7899, 0.2126,
0.2582

72.0181, 0.2605,
0.3005

45.7469, 0.2051,
0.2471

79.2924, 0.2754,
0.3097

42.2046, 0.1996,
0.2361

87.3215, 0.2908,
0.3183

■ 40.3067, 0.1972,
0.2297

■ 96.1349, 0.3063,
0.3260

100.0000, 0.3127,
0.3290

Harmonies

Analogous

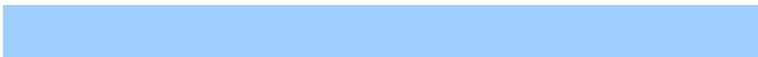
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6028, 0.2397, 0.3143



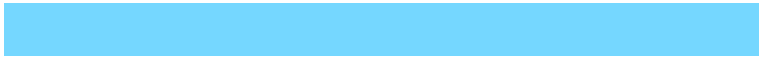
59.6028, 0.2335, 0.2801



59.6028, 0.2464, 0.2619

Triad

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



59.6028, 0.2335, 0.2801



59.6028, 0.3611, 0.3018



59.6028, 0.3456, 0.4071

Complementary

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



59.6028, 0.2335, 0.2801



46.6556, 0.4484, 0.3702

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.



59.6028, 0.3811, 0.3970



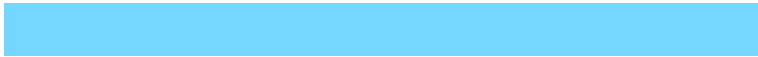
59.6028, 0.2335, 0.2801



59.6028, 0.3914, 0.3355

Square

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



59.6028, 0.2335, 0.2801



59.6028, 0.3182, 0.2753



59.6028, 0.3986, 0.3698



59.6028, 0.3028, 0.3927

Rectangle

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



59.6028, 0.2335, 0.2801



59.6028, 0.2647, 0.2593



59.6028, 0.3986, 0.3698



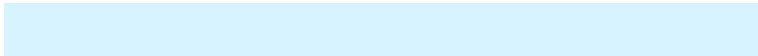
59.6028, 0.3589, 0.4062

Sweetspot

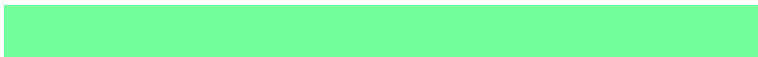
The Sweet Spot groups the original color and five complimentary colors.



59.6043, 0.2335, 0.2801



85.7524, 0.2879, 0.3167



77.7052, 0.2876, 0.4552



17.9937, 0.2847, 0.3150



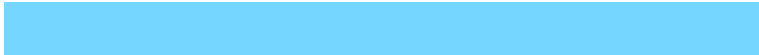
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



59.6043, 0.2335, 0.2801



53.9636, 0.2212, 0.2683



31.8370, 0.2150, 0.1912



19.5397, 0.2980, 0.3219



21.3308, 0.1977, 0.2315



2.2651, 0.2011, 0.2440

Inverse Universe

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



38.8881, 0.3576, 0.2323



32.9496, 0.3704, 0.2176



76.4483, 0.4065, 0.4352



18.2053, 0.3183, 0.3123



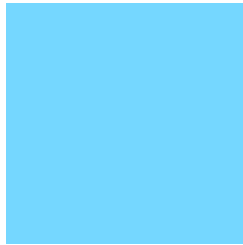
12.8813, 0.4110, 0.2038



1.2732, 0.3983, 0.1968

Previews

White Background



This preview shows how the Yxy color 59.6028, 0.2335, 0.2801 looks on a white background.

Color Contrast Check

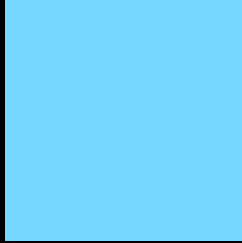
Large Text (above 18pt) WCAG AA × Fail

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 59.6028, 0.2335, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

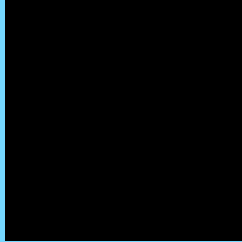
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6028, 0.2335, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 59.6028, 0.2335, 0.2801.

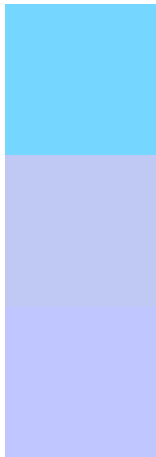


This preview shows how white text looks on a background with the Yxy color 59.6028, 0.2335, 0.2801.

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

59.6028, 0.2335, 0.2801

Protanopia

59.0467, 0.2774, 0.2790

Deuteranopia

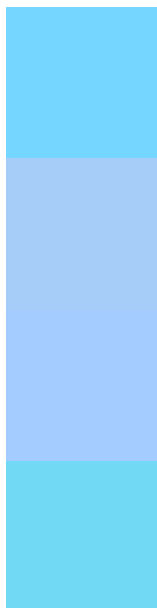
58.8146, 0.2707, 0.2654



Tritanopia

59.5139, 0.2398, 0.3059

Trichromacy



Original Color

59.6028, 0.2335, 0.2801

Protanomaly

58.4393, 0.2586, 0.2783

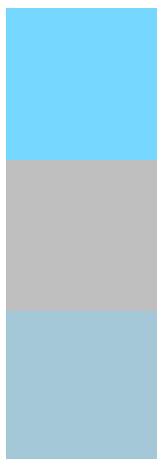
Deuteranomaly

58.4051, 0.2547, 0.2697

Tritanomaly

59.6075, 0.2376, 0.2963

Monochromacy



Original Color

59.6028, 0.2335, 0.2801

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.4884, 0.2762, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6028, 0.2335, 0.2801 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(117, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.6028, 0.2335, 0.2801 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(117, 215, 255) }
```

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

```
.border{ border-color:rgb(117, 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(117, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6028, 0.2335, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 215, 255) }
```

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

```
.background{ background-color: rgb(117,  
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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