

Converting Colors

$Yxy(59.8319, 0.2328, 0.2810)$

Have a look what the booklet for
Yxy(59.8319, 0.2328, 0.2810)
contains.

Yxy(59.9766, 0.2330, 0.2813)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.9766, 0.2330, 0.2813)

Conversions

Conversions Part 1

Format	Color
Hex	73D8FF
RGB	115, 216, 255
RGB Percent	45%, 85%, 100%
CMY	0.5488, 0.1529, 0.0000
CMYK	0.55, 0.15, 0.00, 0.00
HSL	197°, 100%, 73%
HSV	197°, 55%, 100%
XYZ	49.6784, 59.9766, 103.5572
YIQ	190.2470, -72.7150, -9.2830

Conversions

Conversions Part 2

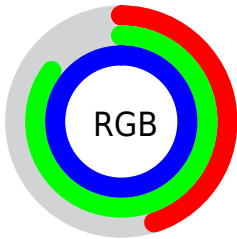
Format	Color
RYB	115, 174, 255
Decimal	7592191
CIELab	81.83, -18.90, -28.02
CIElCh	82, 33.799, 235.998
Yxy	59.9766, 0.2330, 0.2813
Android (android.graphics.Color)	4285782271 (0xFF73D8FF)
YUV	190.2470, 31.9232, -65.9916
Hunter-Lab	77.4446, -21.0254, -25.0701

Details

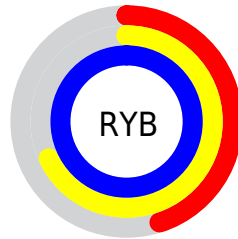
The Yxy color **59.9766, 0.2330, 0.2813** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.6201, 0.4522, 0.3691**, and the grayscale version is **51.4931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **30.1478, 0.2145, 0.2687** is the 20% darker color. If you saturate the color by 10%, you get **54.9199, 0.2219, 0.2709**, and if you desaturate by 10%, it is **65.6732, 0.2457, 0.2914**.

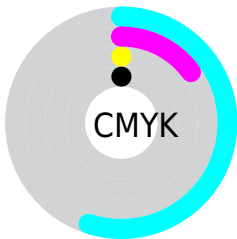
Distribution



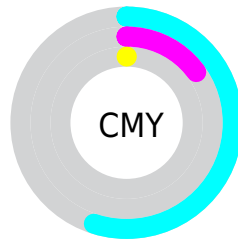
- Red (45%)
- Green (85%)
- Blue (100%)



- Red (45%)
- Yellow (68%)
- Blue (100%)



- Cyan (55%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9766, 0.2330, 0.2813 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 59.9766, 0.2330, 0.2813 by changing the saturation by 10% instead.


 59.9766, 0.2330,
0.2813


 59.9766, 0.2330,
0.2813


424.5115, 0.2698,
0.3047


 43.3998, 0.2247,
0.2757

 104.7957, 0.2457,
0.2896

 30.1989, 0.2146,
0.2687


 133.8068, 0.2506,
0.2928

 19.9896, 0.2019,
0.2596


 167.7314, 0.2549,
0.2955

 12.3875, 0.1857,
0.2476

206.9540, 0.2587,
0.2979

 7.0082, 0.1645,
0.2309

251.8589, 0.2619,
0.2999

 3.4672, 0.1357,
0.2067

302.8305, 0.2649,

 1.3802, 0.0962,

0.3017

0.1696

360.2533, 0.2675,
0.3033

0.2021, 0.0000,
0.0682

0.0000, 0.0000,
0.0000

59.9766, 0.2330,
0.2813

59.9766, 0.2330,
0.2813

54.9199, 0.2219,
0.2709

65.6732, 0.2457,
0.2914

50.4539, 0.2127,
0.2603

72.0408, 0.2595,
0.3009

46.5318, 0.2055,
0.2496

79.1159, 0.2743,
0.3098

43.0934, 0.2004,
0.2391

86.9302, 0.2896,
0.3181

■ 41.4781, 0.1983,
0.2338

■ 95.5132, 0.3051,
0.3256

99.9994, 0.3127,
0.3290

Harmonies

Analogous

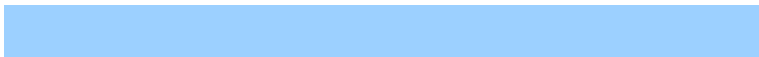
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.9766, 0.2403, 0.3163



59.9766, 0.2330, 0.2813



59.9766, 0.2449, 0.2621

Triad

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



59.9766, 0.2330, 0.2813



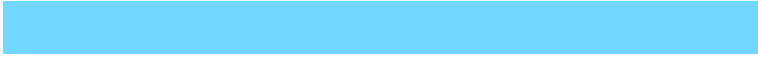
59.9766, 0.3593, 0.3001



59.9766, 0.3479, 0.4075

Complementary

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



59.9766, 0.2330, 0.2813



45.6201, 0.4522, 0.3691

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.



59.9766, 0.3829, 0.3962



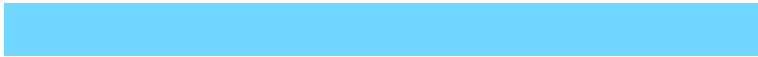
59.9766, 0.2330, 0.2813



59.9766, 0.3907, 0.3336

Square

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



59.9766, 0.2330, 0.2813



59.9766, 0.3158, 0.2740



59.9766, 0.3992, 0.3683



59.9766, 0.3050, 0.3944

Rectangle

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



59.9766, 0.2330, 0.2813



59.9766, 0.2628, 0.2589



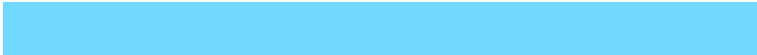
59.9766, 0.3992, 0.3683



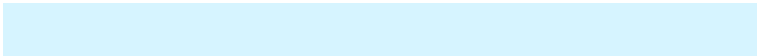
59.9766, 0.3610, 0.4062

Sweetspot

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



59.9788, 0.2330, 0.2813



86.0267, 0.2879, 0.3172



77.4409, 0.2885, 0.4603



18.0594, 0.2847, 0.3155



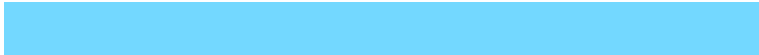
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



59.9788, 0.2330, 0.2813



54.3968, 0.2208, 0.2697



31.9527, 0.2142, 0.1919



19.5755, 0.2980, 0.3222



21.9395, 0.1988, 0.2355



2.3204, 0.2021, 0.2475

Inverse Universe

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



38.4878, 0.3568, 0.2298



32.5873, 0.3693, 0.2148



74.9187, 0.4091, 0.4345



18.2090, 0.3181, 0.3120



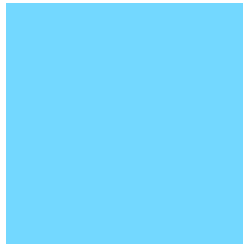
12.9428, 0.4069, 0.2015



1.2788, 0.3948, 0.1948

Previews

White Background



This preview shows how the Yxy color 59.9766, 0.2330, 0.2813 looks on a white background.

Color Contrast Check

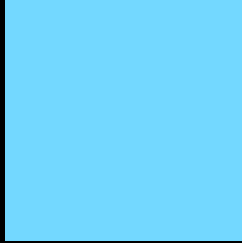
Large Text (above 18pt) WCAG AA × Fail

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 59.9766, 0.2330, 0.2813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

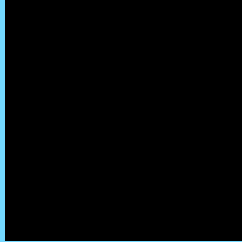
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9766, 0.2330, 0.2813

Background



This preview shows how black text looks on a background with the Yxy color 59.9766, 0.2330, 0.2813.



This preview shows how white text looks on a background with the Yxy color 59.9766, 0.2330, 0.2813.

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

59.9766, 0.2330, 0.2813

Protanopia

59.1777, 0.2781, 0.2791

Deuteranopia

59.4043, 0.2714, 0.2667



Tritanopia

59.9656, 0.2388, 0.3060

Trichromacy



Original Color

59.9766, 0.2330, 0.2813

Protanomaly

58.9193, 0.2587, 0.2796

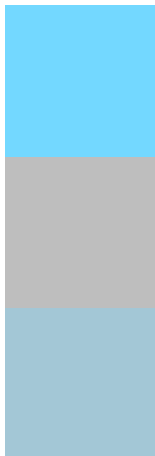
Deuteranomaly

58.8820, 0.2549, 0.2709

Tritanomaly

60.0540, 0.2366, 0.2963

Monochromacy



Original Color

59.9766, 0.2330, 0.2813

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 59.9766, 0.2330, 0.2813 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(115, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.9766, 0.2330, 0.2813 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(115, 216, 255) }
```

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

```
.border{ border-color:rgb(115, 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(115, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9766, 0.2330, 0.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 216, 255) }
```

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

```
.background{ background-color: rgb(115,  
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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