

Converting Colors

$Yxy(59.8552, 0.2367, 0.2797)$

Have a look what the booklet for
Yxy(59.8552, 0.2367, 0.2797)
contains.

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Color

Yxy(59.6731, 0.2366, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	7DD6FF
RGB	125, 214, 255
RGB Percent	49%, 84%, 100%
CMY	0.5097, 0.1608, 0.0001
CMYK	0.51, 0.16, 0.00, 0.00
HSL	199°, 100%, 75%
HSV	199°, 51%, 100%
XYZ	50.5501, 59.6731, 103.4291
YIQ	192.0630, -66.2050, -6.1170

Conversions

Conversions Part 2

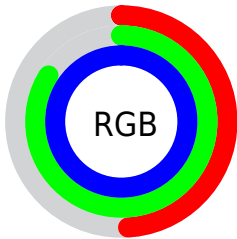
Format	Color
RYB	125, 178, 255
Decimal	8247039
CIELab	81.66, -15.85, -28.22
CIELCh	82, 32.368, 240.687
Yxy	59.6731, 0.2366, 0.2793
Android (android.graphics.Color)	4286437119 (0xFF7DD6FF)
YUV	192.0630, 31.0279, -58.8143
Hunter-Lab	77.2484, -18.3770, -25.3105

Details

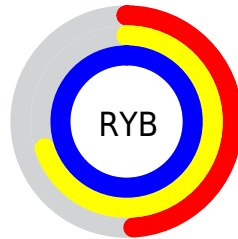
The Yxy color **59.6731, 0.2366, 0.2793** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.9964, 0.4353, 0.3716**, and the grayscale version is **52.5978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **29.8976, 0.2187, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **54.0282, 0.2244, 0.2675**, and if you desaturate by 10%, it is **66.0155, 0.2502, 0.2906**.

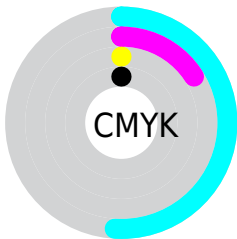
Distribution



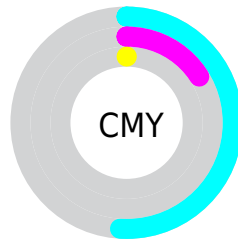
- Red (49%)
- Green (84%)
- Blue (100%)



- Red (49%)
- Yellow (70%)
- Blue (100%)



- Cyan (51%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6731, 0.2366, 0.2793 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 59.6731, 0.2366, 0.2793 by changing the saturation by 10% instead.

 59.6731, 0.2366,
0.2793


 59.6731, 0.2366,
0.2793


423.3918, 0.2718,
0.3035


 43.1552, 0.2286,
0.2735


 104.3553, 0.2488,
0.2879

 30.0069, 0.2189,
0.2663


 133.2884, 0.2535,
0.2912

 19.8438, 0.2067,
0.2571

 167.1287, 0.2576,
0.2940

 12.2816, 0.1910,
0.2448

206.2606, 0.2612,
0.2964

 6.9357, 0.1703,
0.2279

251.0684, 0.2643,
0.2985

 3.4219, 0.1421,
0.2035

301.9366, 0.2671,

 1.3558, 0.1031,

0.3004

0.1664

359.2496, 0.2696,
0.3020

0.1838, 0.0000,
0.0627

0.0000, 0.0000,
0.0000

59.6731, 0.2366,
0.2793

59.6731, 0.2366,
0.2793

54.0282, 0.2244,
0.2675

66.0155, 0.2502,
0.2906

49.0329, 0.2138,
0.2554

73.0860, 0.2649,
0.3012

44.6422, 0.2053,
0.2432

80.9208, 0.2801,
0.3111

40.8001, 0.1989,
0.2312

89.5515, 0.2957,
0.3201

■ 37.7239, 0.1946,
0.2204

■ 99.0077, 0.3112,
0.3283

■ 99.9976, 0.3127,
0.3290

Harmonies

Analogous

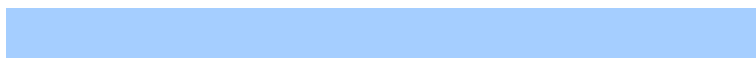
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6731, 0.2407, 0.3110



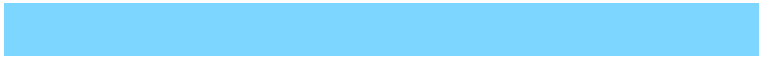
59.6731, 0.2366, 0.2793



59.6731, 0.2509, 0.2633

Triad

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



59.6731, 0.2366, 0.2793



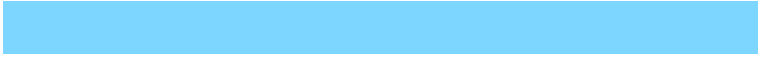
59.6731, 0.3632, 0.3060



59.6731, 0.3404, 0.4039

Complementary

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



59.6731, 0.2366, 0.2793



49.9964, 0.4353, 0.3716

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.



59.6731, 0.3759, 0.3966



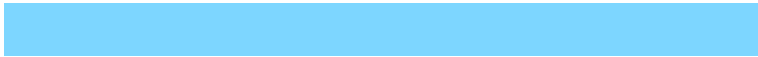
59.6731, 0.2366, 0.2793



59.6731, 0.3904, 0.3389

Square

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



59.6731, 0.2366, 0.2793



59.6731, 0.3225, 0.2793



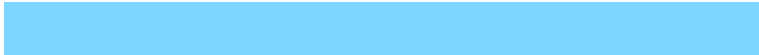
59.6731, 0.3948, 0.3718



59.6731, 0.2990, 0.3874

Rectangle

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



59.6731, 0.2366, 0.2793



59.6731, 0.2698, 0.2619



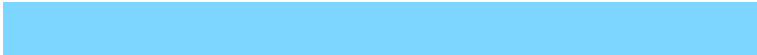
59.6731, 0.3948, 0.3718



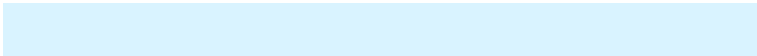
59.6731, 0.3535, 0.4039

Sweetspot

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



59.6753, 0.2366, 0.2793



86.0014, 0.2894, 0.3165



78.5378, 0.2875, 0.4436



18.0186, 0.2861, 0.3146



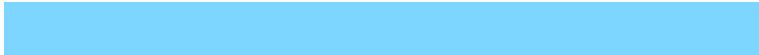
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



59.6753, 0.2366, 0.2793



54.0283, 0.2243, 0.2675



33.7138, 0.2205, 0.1979



19.4590, 0.2980, 0.3213



19.9978, 0.1951, 0.2224



2.1433, 0.1989, 0.2360

Inverse Universe

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



40.7796, 0.3575, 0.2402



34.7242, 0.3701, 0.2259



78.7580, 0.3998, 0.4316



18.1972, 0.3187, 0.3129



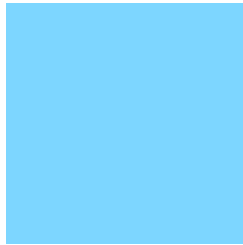
12.7468, 0.4206, 0.2091



1.2609, 0.4064, 0.2012

Previews

White Background



This preview shows how the Yxy color 59.6731, 0.2366, 0.2793 looks on a white background.

Color Contrast Check

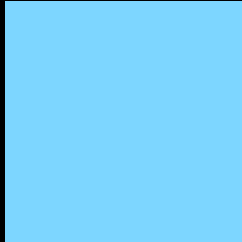
Large Text (above 18pt) WCAG AA × Fail

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 59.6731, 0.2366, 0.2793 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

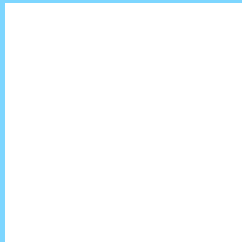
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.6731, 0.2366, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 59.6731, 0.2366, 0.2793.



This preview shows how white text looks on a background with the Yxy color 59.6731, 0.2366, 0.2793.

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

59.6731, 0.2366, 0.2793

Protanopia

59.1076, 0.2768, 0.2779

Deuteranopia

58.8146, 0.2707, 0.2654



Tritanopia

59.4754, 0.2433, 0.3060

Trichromacy



Original Color

59.6731, 0.2366, 0.2793

Protanomaly

58.8270, 0.2598, 0.2775

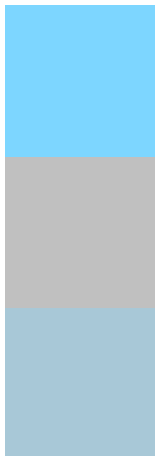
Deuteranomaly

58.7306, 0.2565, 0.2700

Tritanomaly

59.5875, 0.2411, 0.2964

Monochromacy



Original Color

59.6731, 0.2366, 0.2793

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

54.5397, 0.2791, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6731, 0.2366, 0.2793 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(125, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 214, 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(125, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.6731, 0.2366, 0.2793 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(125, 214, 255) }
```

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

```
.border{ border-color:rgb(125, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6731, 0.2366, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 214, 255) }
```

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

```
.background{ background-color: rgb(125,  
214, 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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