

Converting Colors

$Y_{xy}(63.6288, 0.2154, 0.2279)$

Have a look what the booklet for
Yxy(63.6288, 0.2154, 0.2279)
contains.

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Color

Yxy(59.4507, 0.2353, 0.2791)

Conversions

Conversions Part 1

Format	Color
Hex	7AD6FF
RGB	122, 214, 255
RGB Percent	48%, 84%, 100%
CMY	0.5216, 0.1608, 0.0000
CMYK	0.52, 0.16, 0.00, 0.00
HSL	198°, 100%, 74%
HSV	198°, 52%, 100%
XYZ	50.1209, 59.4507, 103.4370
YIQ	191.1660, -67.9930, -6.7530

Conversions

Conversions Part 2

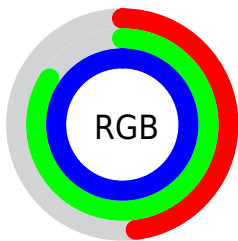
Format	Color
RYB	122, 176, 255
Decimal	8050431
CIELab	81.54, -16.47, -28.44
CIELCh	82, 32.865, 239.918
Yxy	59.4507, 0.2353, 0.2791
Android (android.graphics.Color)	4286240511 (0xFF7AD6FF)
YUV	191.1660, 31.4702, -60.6586
Hunter-Lab	77.1043, -18.9002, -25.5658

Details

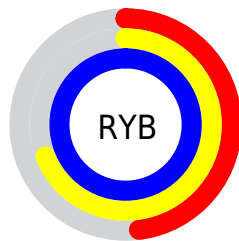
The Yxy color **59.4507, 0.2353, 0.2791** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.8543, 0.4399, 0.3715**, and the grayscale version is **52.0457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **29.7730, 0.2173, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **53.9467, 0.2233, 0.2676**, and if you desaturate by 10%, it is **65.6393, 0.2487, 0.2902**.

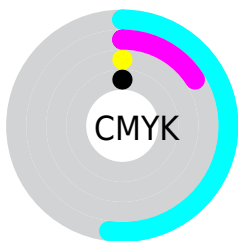
Distribution



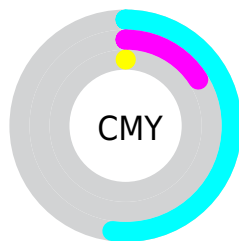
- Red (48%)
- Green (84%)
- Blue (100%)



- Red (48%)
- Yellow (69%)
- Blue (100%)



- Cyan (52%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4507, 0.2353, 0.2791 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 59.4507, 0.2353, 0.2791 by changing the saturation by 10% instead.

 59.4507, 0.2353,
0.2791


 59.4507, 0.2353,
0.2791


422.5701, 0.2711,
0.3034


 42.9760, 0.2272,
0.2733


 104.0324, 0.2477,
0.2877

 29.8663, 0.2173,
0.2660


 132.9083, 0.2525,
0.2911

 19.7371, 0.2049,
0.2567


 166.6866, 0.2567,
0.2939

 12.2041, 0.1890,
0.2443

205.7519, 0.2603,
0.2963

 6.8828, 0.1680,
0.2273

250.4885, 0.2635,
0.2984

 3.3889, 0.1395,
0.2026

301.2808, 0.2663,

 1.3380, 0.1002,

0.3003

0.1651

358.5132, 0.2689,
0.3020

■ 0.1703, 0.0000,
0.0583

■ 0.0000, 0.0000,
0.0000

■ 59.4507, 0.2353,
0.2791

■ 59.4507, 0.2353,
0.2791

■ 53.9467, 0.2233,
0.2676

■ 65.6393, 0.2487,
0.2902

■ 49.0788, 0.2132,
0.2557

■ 72.5433, 0.2632,
0.3006

■ 44.8017, 0.2050,
0.2438

■ 80.1992, 0.2783,
0.3104

■ 41.0579, 0.1989,
0.2321

■ 88.6386, 0.2938,
0.3193

■ 38.4298, 0.1953,
0.2230

■ 97.8910, 0.3094,
0.3274

99.9998, 0.3127,
0.3290

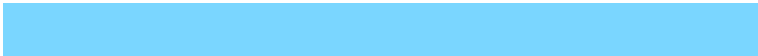
Harmonies

Analogous

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



59.4507, 0.2399, 0.3116



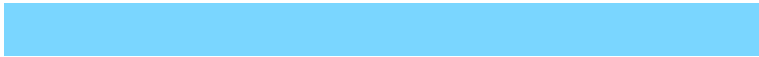
59.4507, 0.2353, 0.2791



59.4507, 0.2494, 0.2625

Triad

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



59.4507, 0.2353, 0.2791



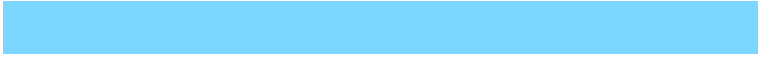
59.4507, 0.3631, 0.3048



59.4507, 0.3419, 0.4053

Complementary

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



59.4507, 0.2353, 0.2791



48.8543, 0.4399, 0.3715

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.



59.4507, 0.3776, 0.3972



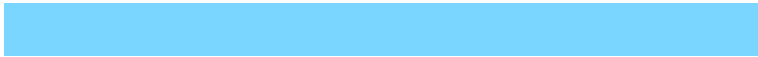
59.4507, 0.2353, 0.2791



59.4507, 0.3912, 0.3381

Square

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



59.4507, 0.2353, 0.2791



59.4507, 0.3215, 0.2779



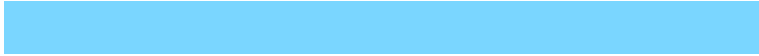
59.4507, 0.3963, 0.3716



59.4507, 0.2998, 0.3892

Rectangle

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



59.4507, 0.2353, 0.2791



59.4507, 0.2682, 0.2608



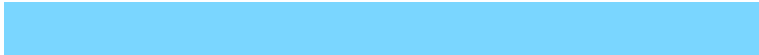
59.4507, 0.3963, 0.3716



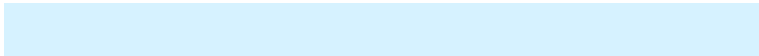
59.4507, 0.3551, 0.4051

Sweetspot

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



59.4529, 0.2353, 0.2791



85.3040, 0.2878, 0.3159



78.2599, 0.2872, 0.4468



17.8863, 0.2847, 0.3141



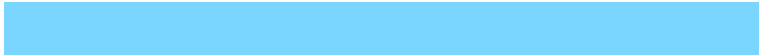
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



59.4529, 0.2353, 0.2791



53.5143, 0.2224, 0.2666



32.7245, 0.2182, 0.1942



19.4811, 0.2980, 0.3215



20.3583, 0.1958, 0.2249



2.1763, 0.1995, 0.2382

Inverse Universe

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



40.0328, 0.3580, 0.2375



33.7591, 0.3714, 0.2225



78.3695, 0.4018, 0.4337



18.1994, 0.3186, 0.3127



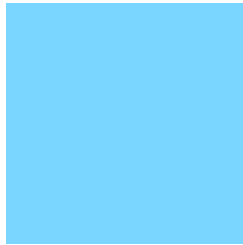
12.7831, 0.4180, 0.2076



1.2642, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 59.4507, 0.2353, 0.2791 looks on a white background.

Color Contrast Check

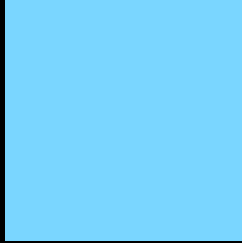
Large Text (above 18pt) WCAG AA × Fail

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 59.4507, 0.2353, 0.2791 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

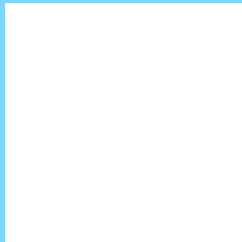
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4507, 0.2353, 0.2791

Background



This preview shows how black text looks on a background with the Yxy color 59.4507, 0.2353, 0.2791.



This preview shows how white text looks on a background with the Yxy color 59.4507, 0.2353, 0.2791.

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

59.4507, 0.2353, 0.2791

Protanopia

58.9775, 0.2762, 0.2778

Deuteranopia

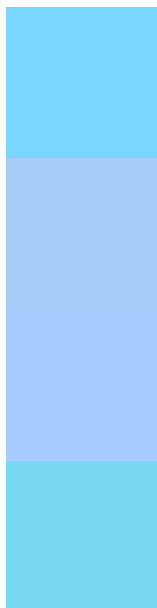
58.8146, 0.2707, 0.2654



Tritanopia

59.2687, 0.2420, 0.3060

Trichromacy



Original Color

59.4507, 0.2353, 0.2791

Protanomaly

58.6092, 0.2586, 0.2773

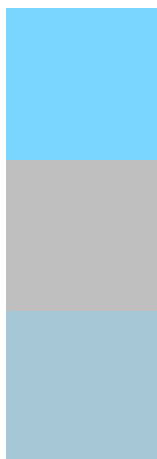
Deuteranomaly

58.6212, 0.2559, 0.2699

Tritanomaly

59.3741, 0.2398, 0.2963

Monochromacy



Original Color

59.4507, 0.2353, 0.2791

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.8089, 0.2782, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4507, 0.2353, 0.2791 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(122, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.4507, 0.2353, 0.2791 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(122, 214, 255) }
```

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

```
.border{ border-color:rgb(122, 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(122, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4507, 0.2353, 0.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 214, 255) }
```

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

```
.background{ background-color: rgb(122,  
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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