

Converting Colors

$Yxy(64.6188, 0.2375, 0.2917)$

Have a look what the booklet for
Yxy(64.6188, 0.2375, 0.2917)
contains.

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Color

Yxy(64.5963, 0.2374, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	79E0FF
RGB	121, 224, 255
RGB Percent	47%, 88%, 100%
CMY	0.5257, 0.1215, 0.0000
CMYK	0.53, 0.12, 0.00, 0.00
HSL	194°, 100%, 74%
HSV	194°, 53%, 100%
XYZ	52.5897, 64.5963, 104.3376
YIQ	196.7370, -71.3390, -12.1950

Conversions

Conversions Part 2

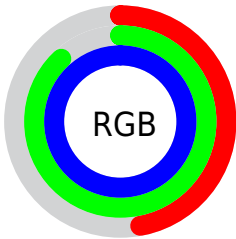
Format	Color
RYB	121, 179, 255
Decimal	7987455
CIELab	84.28, -21.74, -24.29
CIElCh	84, 32.599, 228.167
Yxy	64.5963, 0.2374, 0.2916
Android (android.graphics.Color)	4286177535 (0xFF79E0FF)
YUV	196.7370, 28.7237, -66.4213
Hunter-Lab	80.3718, -23.8527, -20.7092

Details

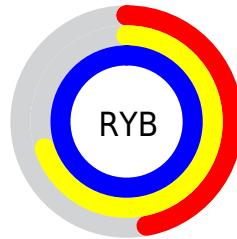
The Yxy color **64.5963, 0.2374, 0.2916** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.0761, 0.4479, 0.3612**, and the grayscale version is **55.5158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **33.2654, 0.2205, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **59.8774, 0.2266, 0.2832**, and if you desaturate by 10%, it is **69.9114, 0.2498, 0.2998**.

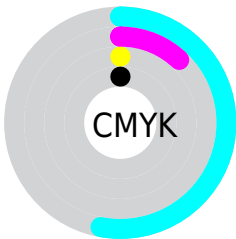
Distribution



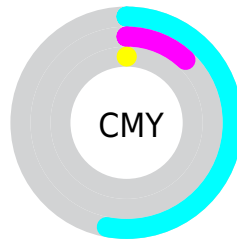
- Red (47%)
- Green (88%)
- Blue (100%)



- Red (47%)
- Yellow (70%)
- Blue (100%)



- Cyan (53%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5963, 0.2374, 0.2916 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 64.5963, 0.2374, 0.2916 by changing the saturation by 10% instead.


 64.5963, 0.2374,
0.2916

 64.5963, 0.2374,
0.2916


441.3398, 0.2718,
0.3100


 47.1338, 0.2297,
0.2872


 111.4693, 0.2492,
0.2982

 33.1414, 0.2203,
0.2816


 141.6485, 0.2539,
0.3007

 22.2348, 0.2086,
0.2744


 176.8355, 0.2579,
0.3028

 14.0295, 0.1937,
0.2648

217.4146, 0.2614,
0.3046

 8.1412, 0.1740,
0.2515

263.7701, 0.2644,
0.3062

 4.1854, 0.1475,
0.2318

316.2866, 0.2672,

 1.7778, 0.1106,

0.3076

0.2010

375.3484, 0.2696,
0.3089

0.4733, 0.0000,
0.1433

0.0000, 0.0000,
0.0000

64.5963, 0.2374,
0.2916

64.5963, 0.2374,
0.2916

59.8774, 0.2266,
0.2832

69.9114, 0.2498,
0.2998

55.7150, 0.2177,
0.2746

75.8593, 0.2635,
0.3075

52.0623, 0.2107,
0.2659

82.4728, 0.2781,
0.3148

48.8633, 0.2057,
0.2573

89.7820, 0.2932,
0.3214

■ 46.7197, 0.2031,
0.2510

■ 97.8153, 0.3087,
0.3275

100.0000, 0.3127,
0.3290

Harmonies

Analogous

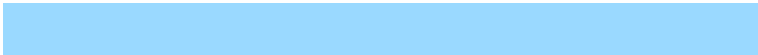
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5963, 0.2491, 0.3276



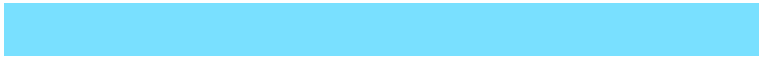
64.5963, 0.2374, 0.2916



64.5963, 0.2440, 0.2690

Triad

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



64.5963, 0.2374, 0.2916



64.5963, 0.3465, 0.2944



64.5963, 0.3558, 0.4021

Complementary

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



64.5963, 0.2374, 0.2916



45.0761, 0.4479, 0.3612

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.



64.5963, 0.3849, 0.3867



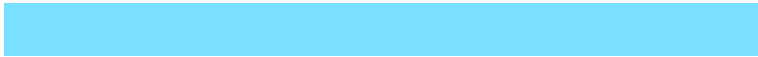
64.5963, 0.2374, 0.2916



64.5963, 0.3801, 0.3249

Square

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



64.5963, 0.2374, 0.2916



64.5963, 0.3049, 0.2722



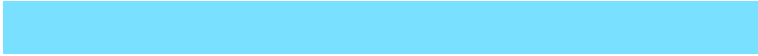
64.5963, 0.3943, 0.3581



64.5963, 0.3163, 0.3958

Rectangle

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



64.5963, 0.2374, 0.2916



64.5963, 0.2582, 0.2631



64.5963, 0.3943, 0.3581



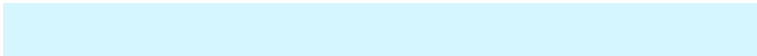
64.5963, 0.3672, 0.3990

Sweetspot

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



64.5961, 0.2374, 0.2916



87.1947, 0.2880, 0.3192



77.7828, 0.2922, 0.4624



18.3396, 0.2849, 0.3178



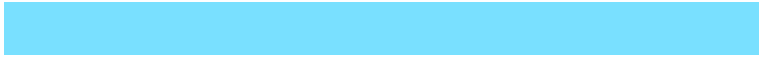
0.0000, 0.0000, 0.0000



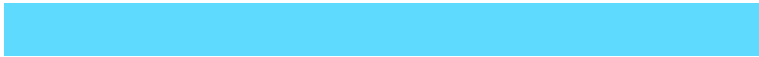
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5961, 0.2374, 0.2916



59.6873, 0.2262, 0.2828



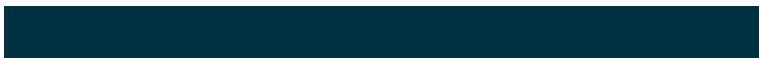
36.0528, 0.2203, 0.2073



19.7274, 0.2980, 0.3234



24.6503, 0.2035, 0.2524



2.5649, 0.2062, 0.2621

Inverse Universe

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



40.3040, 0.3478, 0.2278



34.3823, 0.3572, 0.2121



72.2743, 0.4085, 0.4248



18.2243, 0.3174, 0.3109



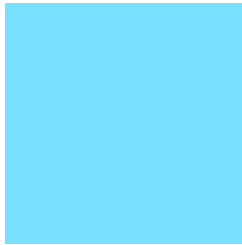
13.2164, 0.3899, 0.1921



1.3035, 0.3803, 0.1869

Previews

White Background



This preview shows how the Yxy color 64.5963, 0.2374, 0.2916 looks on a white background.

Color Contrast Check

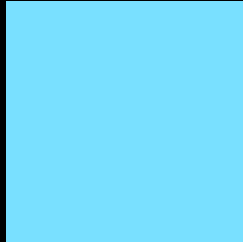
Large Text (above 18pt) WCAG AA × Fail

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 64.5963, 0.2374, 0.2916 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 64.5963, 0.2374, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 64.5963, 0.2374, 0.2916.

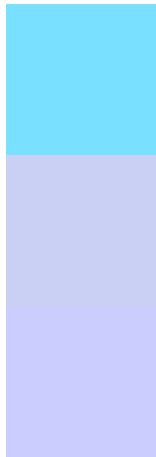


This preview shows how white text looks on a background with the Yxy color 64.5963, 0.2374, 0.2916.

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

64.5963, 0.2374, 0.2916

Protanopia

63.7139, 0.2847, 0.2879

Deuteranopia

63.7200, 0.2792, 0.2747



Tritanopia

64.7063, 0.2411, 0.3067

Trichromacy



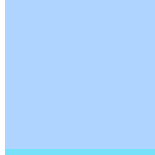
Original Color

64.5963, 0.2374, 0.2916



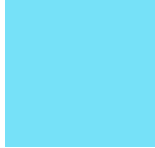
Protanomaly

63.2500, 0.2645, 0.2886



Deuteranomaly

63.3056, 0.2612, 0.2800



Tritanomaly

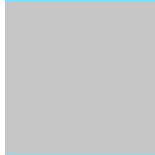
64.4793, 0.2395, 0.3008

Monochromacy



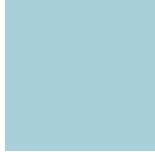
Original Color

64.5963, 0.2374, 0.2916



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.1226, 0.2785, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5963, 0.2374, 0.2916 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(121, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 224, 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(121, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5963, 0.2374, 0.2916 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(121, 224, 255) }
```

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

```
.border{ border-color:rgb(121, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5963, 0.2374, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 224, 255) }
```

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

```
.background{ background-color: rgb(121,  
224, 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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