

Converting Colors

$Yxy(63.6787, 0.2404, 0.2883)$

Have a look what the booklet for
Yxy(63.6787, 0.2404, 0.2883)
contains.

| | |
|---|----|
| Yxy(63.6787, 0.2404, 0.2883) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(63.6787, 0.2404, 0.2883)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 82DDFF |
| RGB | 130, 221, 255 |
| RGB Percent | 51%, 87%, 100% |
| CMY | 0.4906, 0.1332, 0.0000 |
| CMYK | 0.49, 0.13, 0.00, 0.00 |
| HSL | 196°, 100%, 75% |
| HSV | 196°, 49%, 100% |
| XYZ | 53.0987, 63.6787, 104.0991 |
| YIQ | 197.6670, -65.1500, -8.7180 |

Conversions

Conversions Part 2

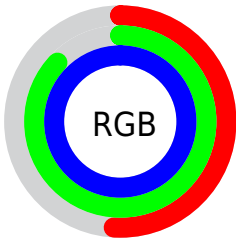
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 130, 183, 255 |
| Decimal | 8576511 |
| CIE Lab | 83.80, -18.37, -24.96 |
| CIE LCh | 84, 30.990, 233.655 |
| Yxy | 63.6787, 0.2404, 0.2883 |
| Android (android.graphics.Color) | 4286766591 (0xFF82DDFF) |
| YUV | 197.6670, 28.2652, -59.3440 |
| Hunter-Lab | 79.7989, -20.8731, -21.4856 |

Details

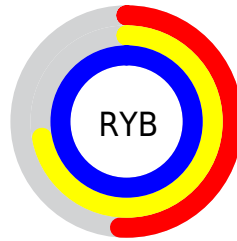
The Yxy color **63.6787, 0.2404, 0.2883** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.3717, 0.4321, 0.3646**, and the grayscale version is **56.1004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **32.6149, 0.2242, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **58.3280, 0.2285, 0.2784**, and if you desaturate by 10%, it is **69.6845, 0.2537, 0.2978**.

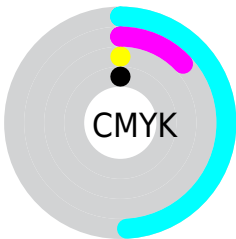
Distribution



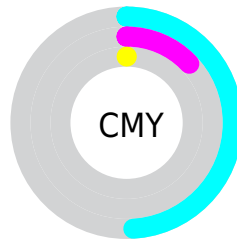
- Red (51%)
- Green (87%)
- Blue (100%)



- Red (51%)
- Yellow (72%)
- Blue (100%)



- Cyan (49%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6787, 0.2404, 0.2883 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 63.6787, 0.2404, 0.2883 by changing the saturation by 10% instead.


 63.6787, 0.2404,
0.2883


 63.6787, 0.2404,
0.2883


438.0284, 0.2736,
0.3081

 46.3905, 0.2330,
0.2836


 110.1481, 0.2518,
0.2953

 32.5541, 0.2238,
0.2776


 140.0980, 0.2563,
0.2980

 21.7851, 0.2125,
0.2700


 175.0374, 0.2602,
0.3003

 13.6990, 0.1979,
0.2599

215.3505, 0.2635,
0.3023

 7.9116, 0.1787,
0.2458

261.4217, 0.2665,
0.3041

 4.0385, 0.1525,
0.2253

313.6356, 0.2691,

 1.6951, 0.1157,

0.3056

0.1934

372.3763, 0.2715,
0.3069

0.4205, 0.0000,
0.1302

0.0000, 0.0000,
0.0000

63.6787, 0.2404,
0.2883

63.6787, 0.2404,
0.2883

58.3280, 0.2285,
0.2784

69.6845, 0.2537,
0.2978

53.5858, 0.2183,
0.2681

76.3736, 0.2681,
0.3068

49.4096, 0.2100,
0.2578

83.7811, 0.2832,
0.3151

45.7468, 0.2038,
0.2475

91.9372, 0.2987,
0.3227

■ 42.5196, 0.1994,
0.2373

100.0000, 0.3127,
0.3290

■ 42.2308, 0.1990,
0.2364

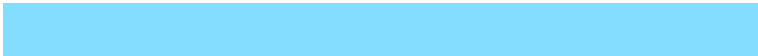
Harmonies

Analogous

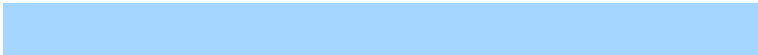
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6787, 0.2485, 0.3208



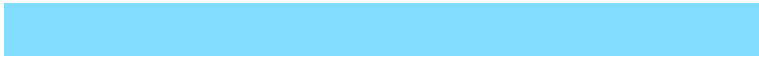
63.6787, 0.2404, 0.2883



63.6787, 0.2500, 0.2694

Triad

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



63.6787, 0.2404, 0.2883



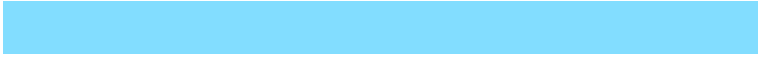
63.6787, 0.3518, 0.3008



63.6787, 0.3476, 0.3993

Complementary

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



63.6787, 0.2404, 0.2883



49.3717, 0.4321, 0.3646

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.



63.6787, 0.3779, 0.3882



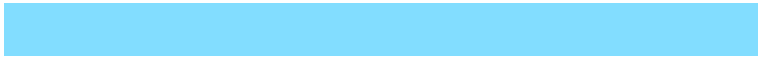
63.6787, 0.2404, 0.2883



63.6787, 0.3811, 0.3310

Square

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



63.6787, 0.2404, 0.2883



63.6787, 0.3125, 0.2776



63.6787, 0.3907, 0.3626



63.6787, 0.3091, 0.3890

Rectangle

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



63.6787, 0.2404, 0.2883



63.6787, 0.2655, 0.2655



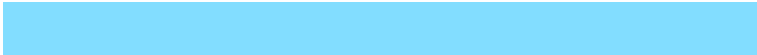
63.6787, 0.3907, 0.3626



63.6787, 0.3591, 0.3977

Sweetspot

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



63.6811, 0.2404, 0.2883



87.0037, 0.2895, 0.3183



78.9102, 0.2902, 0.4439



18.2612, 0.2862, 0.3166



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.



63.6811, 0.2404, 0.2883



58.3602, 0.2285, 0.2784



36.7809, 0.2252, 0.2089



19.5979, 0.2980, 0.3224



22.3276, 0.1995, 0.2380



2.3556, 0.2027, 0.2497

Inverse Universe

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



42.4169, 0.3498, 0.2383



36.1339, 0.3602, 0.2229



77.1565, 0.3985, 0.4246



18.2112, 0.3180, 0.3118



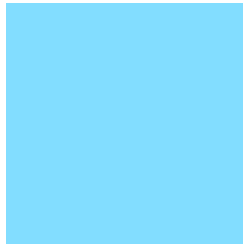
12.9820, 0.4043, 0.2001



1.2823, 0.3926, 0.1936

Previews

White Background



This preview shows how the Yxy color 63.6787, 0.2404, 0.2883 looks on a white background.

Color Contrast Check

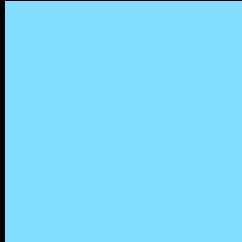
Large Text (above 18pt) WCAG AA × Fail

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 63.6787, 0.2404, 0.2883 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 63.6787, 0.2404, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 63.6787, 0.2404, 0.2883.

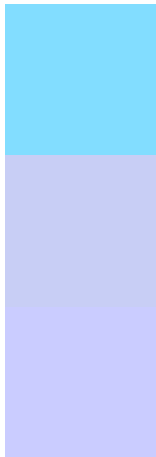


This preview shows how white text looks on a background with the Yxy color 63.6787, 0.2404, 0.2883.

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

63.6787, 0.2404, 0.2883

Protanopia

63.0145, 0.2827, 0.2856

Deuteranopia

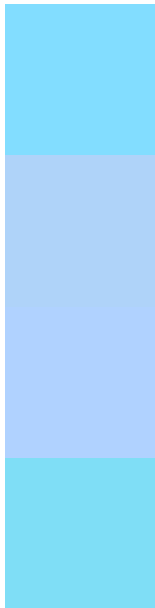
62.9623, 0.2778, 0.2733



Tritanopia

63.4862, 0.2450, 0.3067

Trichromacy



Original Color

63.6787, 0.2404, 0.2883

Protanomaly

62.5420, 0.2649, 0.2853

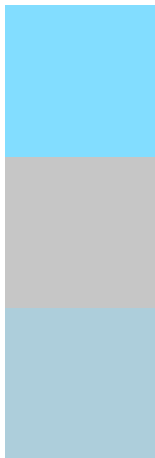
Deuteranomaly

62.5433, 0.2621, 0.2778

Tritanomaly

63.4084, 0.2434, 0.2996

Monochromacy



Original Color

63.6787, 0.2404, 0.2883

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

58.1413, 0.2805, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6787, 0.2404, 0.2883 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(130, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 221, 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(130, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.6787, 0.2404, 0.2883 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(130, 221, 255) }
```

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

```
.border{ border-color:rgb(130, 221, 255) }
```

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

Here you see how a box with a 4 pixel rgb(130, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6787, 0.2404, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 221, 255) }
```

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

```
.background{ background-color: rgb(130,  
221, 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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