

Converting Colors

$Yxy(64.4088, 0.2326, 0.2929)$

Have a look what the booklet for
Yxy(64.4088, 0.2326, 0.2929)
contains.

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Color

Yxy(64.1962, 0.2325, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	6BE1FF
RGB	107, 225, 255
RGB Percent	42%, 88%, 100%
CMY	0.5801, 0.1177, 0.0000
CMYK	0.58, 0.12, 0.00, 0.00
HSL	192°, 100%, 71%
HSV	192°, 58%, 100%
XYZ	51.0452, 64.1962, 104.3078
YIQ	193.1380, -79.9580, -15.6860

Conversions

Conversions Part 2

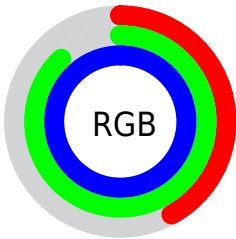
Format	Color
RYB	107, 173, 255
Decimal	7070207
CIELab	84.07, -24.91, -24.63
CIELCh	84, 35.027, 224.678
Yxy	64.1962, 0.2325, 0.2924
Android (android.graphics.Color)	4285260287 (0xFF6BE1FF)
YUV	193.1380, 30.4980, -75.5430
Hunter-Lab	80.1225, -26.4940, -21.1012

Details

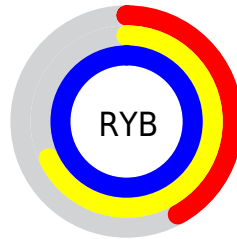
The Yxy color **64.1962, 0.2325, 0.2924** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **40.2395, 0.4719, 0.3593**, and the grayscale version is **53.2792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **32.6862, 0.2142, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **60.0883, 0.2231, 0.2850**, and if you desaturate by 10%, it is **68.8595, 0.2437, 0.2996**.

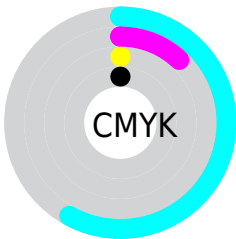
Distribution



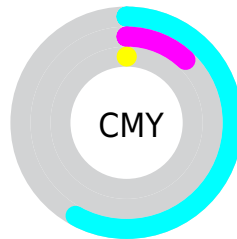
- Red (42%)
- Green (88%)
- Blue (100%)



- Red (42%)
- Yellow (68%)
- Blue (100%)



- Cyan (58%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1962, 0.2325, 0.2924 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 64.1962, 0.2325, 0.2924 by changing the saturation by 10% instead.


 64.1962, 0.2325,
0.2924

 64.1962, 0.2325,
0.2924


439.8978, 0.2691,
0.3106


 46.8096, 0.2243,
0.2880


 110.8934, 0.2450,
0.2989

 32.8852, 0.2144,
0.2824


 140.9729, 0.2500,
0.3014

 22.0385, 0.2020,
0.2752


 176.0521, 0.2542,
0.3035

 13.8852, 0.1863,
0.2655

216.5154, 0.2580,
0.3053

 8.0409, 0.1657,
0.2519

262.7472, 0.2612,
0.3069

 4.1211, 0.1381,
0.2318

315.1320, 0.2642,

 1.7415, 0.1003,

0.3083

0.2002

374.0540, 0.2668,
0.3095

0.4503, 0.0000,
0.1374

0.0000, 0.0000,
0.0000

64.1962, 0.2325,
0.2924

64.1962, 0.2325,
0.2924

60.0883, 0.2231,
0.2850

68.8595, 0.2437,
0.2996

56.4857, 0.2156,
0.2775

74.1091, 0.2564,
0.3066

53.3401, 0.2101,
0.2700

79.9815, 0.2703,
0.3131

50.5832, 0.2065,
0.2626

86.5078, 0.2850,
0.3193

■ 50.0610, 0.2059,
0.2611

■ 93.7170, 0.3003,
0.3249

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.



64.1962, 0.2471, 0.3323



64.1962, 0.2325, 0.2924



64.1962, 0.2373, 0.2665

Triad

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



64.1962, 0.2325, 0.2924



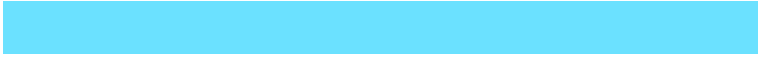
64.1962, 0.3439, 0.2886



64.1962, 0.3633, 0.4068

Complementary

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



64.1962, 0.2325, 0.2924



40.2395, 0.4719, 0.3593

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.



64.1962, 0.3927, 0.3877



64.1962, 0.2325, 0.2924



64.1962, 0.3820, 0.3203

Square

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



64.1962, 0.2325, 0.2924



64.1962, 0.2990, 0.2663



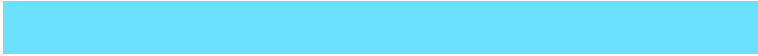
64.1962, 0.4002, 0.3558



64.1962, 0.3214, 0.4034

Rectangle

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



64.1962, 0.2325, 0.2924



64.1962, 0.2510, 0.2589



64.1962, 0.4002, 0.3558



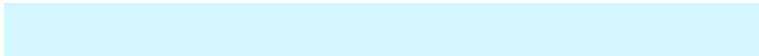
64.1962, 0.3750, 0.4025

Sweetspot

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



64.1985, 0.2325, 0.2924



87.2023, 0.2865, 0.3198



76.4475, 0.2920, 0.4819



18.3697, 0.2835, 0.3187



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.



64.1985, 0.2325, 0.2924



59.3312, 0.2214, 0.2835



32.6318, 0.2112, 0.1955



19.8187, 0.2980, 0.3241



26.3770, 0.2062, 0.2623



2.7191, 0.2086, 0.2708

Inverse Universe

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



37.2286, 0.3482, 0.2157



31.6015, 0.3579, 0.1997



68.7256, 0.4207, 0.4309



18.2335, 0.3169, 0.3103



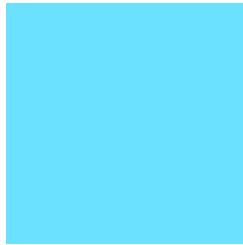
13.3907, 0.3801, 0.1868



1.3190, 0.3721, 0.1823

Previews

White Background



This preview shows how the Yxy color 64.1962, 0.2325, 0.2924 looks on a white background.

Color Contrast Check

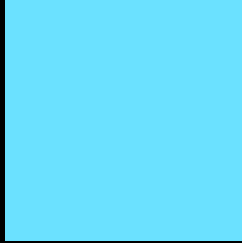
Large Text (above 18pt) WCAG AA × Fail

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 64.1962, 0.2325, 0.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

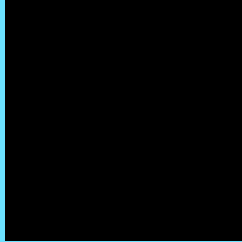
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1962, 0.2325, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 64.1962, 0.2325, 0.2924.

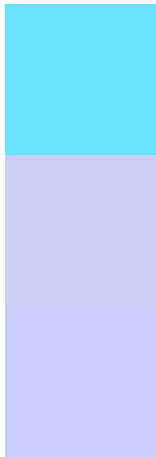


This preview shows how white text looks on a background with the Yxy color 64.1962, 0.2325, 0.2924.

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

64.1962, 0.2325, 0.2924

Protanopia

63.6533, 0.2853, 0.2890

Deuteranopia

63.5792, 0.2786, 0.2746



Tritanopia

64.4143, 0.2357, 0.3065

Trichromacy



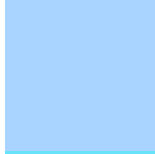
Original Color

64.1962, 0.2325, 0.2924



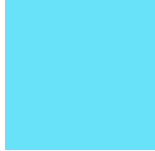
Protanomaly

63.0240, 0.2617, 0.2905



Deuteranomaly

62.6318, 0.2577, 0.2796



Tritanomaly

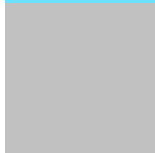
64.1753, 0.2342, 0.3005

Monochromacy



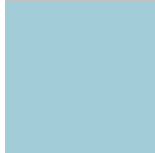
Original Color

64.1962, 0.2325, 0.2924



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.3019, 0.2750, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1962, 0.2325, 0.2924 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(107, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 225, 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(107, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.1962, 0.2325, 0.2924 is called "border". The border property can be set on classes, ids or directly on the HTML element.

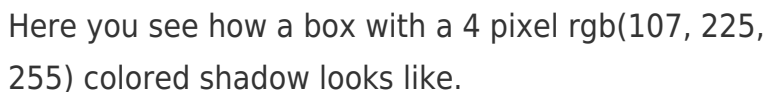
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 225, 255) }
```

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

```
.border{ border-color:rgb(107, 225, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1962, 0.2325, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 225, 255) }
```

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

```
.background{ background-color: rgb(107,  
225, 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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