

Converting Colors

$Y_{xy}(65.9732, 0.2220, 0.2637)$

Have a look what the booklet for
Yxy(65.9732, 0.2220, 0.2637)
contains.

Yxy(64.1346, 0.2321, 0.2924)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.1346, 0.2321, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	6AE1FF
RGB	106, 225, 255
RGB Percent	42%, 88%, 100%
CMY	0.5847, 0.1176, 0.0000
CMYK	0.58, 0.12, 0.00, 0.00
HSL	192°, 100%, 71%
HSV	192°, 58%, 100%
XYZ	50.9085, 64.1346, 104.2955
YIQ	192.8390, -80.5540, -15.8980

Conversions

Conversions Part 2

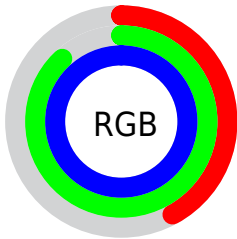
Format	Color
R_{YB}	106, 172, 255
Decimal	7004671
CIE _{Lab}	84.04, -25.13, -24.68
CIE _{LCh}	84, 35.220, 224.475
Yxy	64.1346, 0.2321, 0.2924
Android (android.graphics.Color)	4285194751 (0xFF6AE1FF)
YUV	192.8390, 30.6454, -76.1578
Hunter-Lab	80.0841, -26.6768, -21.1560

Details

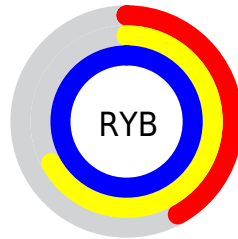
The Yxy color **64.1346, 0.2321, 0.2924** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **39.8706, 0.4740, 0.3591**, and the grayscale version is **53.0680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **32.6598, 0.2139, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **60.0711, 0.2228, 0.2850**, and if you desaturate by 10%, it is **68.7502, 0.2432, 0.2996**.

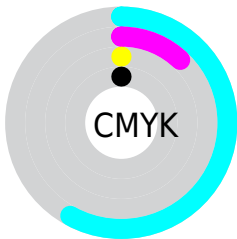
Distribution



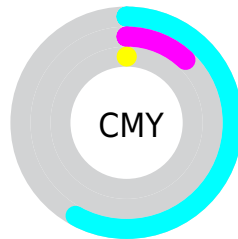
- Red (42%)
- Green (88%)
- Blue (100%)



- Red (42%)
- Yellow (67%)
- 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 64.1346, 0.2321, 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 64.1346, 0.2321, 0.2924 by changing the saturation by 10% instead.

64.1346, 0.2321,
0.2924

64.1346, 0.2321,
0.2924

439.6755, 0.2689,
0.3106

46.7597, 0.2239,
0.2880

110.8048, 0.2447,
0.2989

32.8457, 0.2139,
0.2824

140.8688, 0.2497,
0.3014

22.0083, 0.2015,
0.2752

175.9314, 0.2539,
0.3035

13.8630, 0.1857,
0.2654

216.3768, 0.2577,
0.3053

8.0254, 0.1650,
0.2518

262.5896, 0.2610,
0.3069

4.1112, 0.1373,
0.2317

314.9540, 0.2639,

1.7360, 0.0994,

0.3083

0.1999

373.8545, 0.2665,
0.3095

0.4468, 0.0000,
0.1365

0.0000, 0.0000,
0.0000

64.1346, 0.2321,
0.2924

64.1346, 0.2321,
0.2924

60.0711, 0.2228,
0.2850

68.7502, 0.2432,
0.2996

56.5093, 0.2155,
0.2776

73.9489, 0.2558,
0.3065


53.4005, 0.2101,
0.2702

79.7672, 0.2696,
0.3130

50.6731, 0.2065,
0.2629

86.2366, 0.2843,
0.3191

 50.2744, 0.2061,
0.2618

 93.3860, 0.2996,
0.3247

99.9995, 0.3127,
0.3290

Harmonies

Analogous

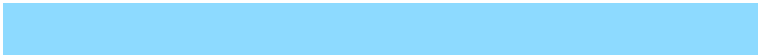
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1346, 0.2469, 0.3326



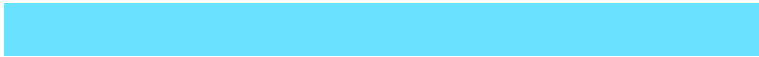
64.1346, 0.2321, 0.2924



64.1346, 0.2368, 0.2663

Triad

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



64.1346, 0.2321, 0.2924



64.1346, 0.3438, 0.2882



64.1346, 0.3638, 0.4072

Complementary

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



64.1346, 0.2321, 0.2924



39.8706, 0.4740, 0.3591

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.



64.1346, 0.3933, 0.3878



64.1346, 0.2321, 0.2924



64.1346, 0.3822, 0.3200

Square

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



64.1346, 0.2321, 0.2924



64.1346, 0.2987, 0.2659



64.1346, 0.4007, 0.3557



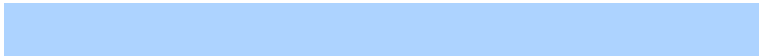
64.1346, 0.3218, 0.4040

Rectangle

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



64.1346, 0.2321, 0.2924



64.1346, 0.2505, 0.2586



64.1346, 0.4007, 0.3557



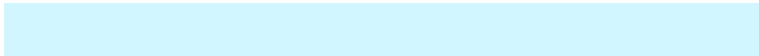
64.1346, 0.3756, 0.4028

Sweetspot

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



64.1370, 0.2321, 0.2924



86.5626, 0.2850, 0.3193



76.3424, 0.2920, 0.4833



18.1083, 0.2807, 0.3176



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.



64.1370, 0.2321, 0.2924



59.4985, 0.2215, 0.2839



32.2915, 0.2104, 0.1942



19.8245, 0.2980, 0.3241



26.4891, 0.2064, 0.2630



2.7291, 0.2087, 0.2713

Inverse Universe

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



36.9834, 0.3483, 0.2148



31.6184, 0.3575, 0.1995



68.5210, 0.4216, 0.4316



18.2341, 0.3169, 0.3102



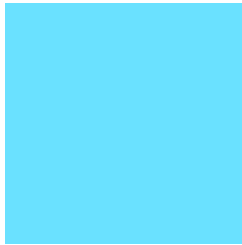
13.4021, 0.3795, 0.1864



1.3200, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 64.1346, 0.2321, 0.2924 looks on a white background.

Color Contrast Check

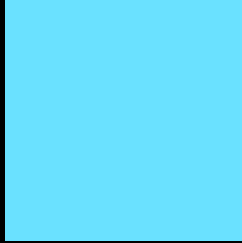
Large Text (above 18pt) WCAG AA × Fail

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 64.1346, 0.2321, 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 64.1346, 0.2321, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 64.1346, 0.2321, 0.2924.

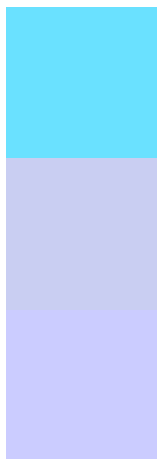


This preview shows how white text looks on a background with the Yxy color 64.1346, 0.2321, 0.2924.

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

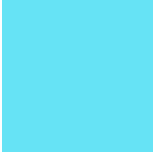
64.1346, 0.2321, 0.2924

Protanopia

62.9709, 0.2852, 0.2888

Deuteranopia

63.1022, 0.2785, 0.2734



Tritanopia

64.3555, 0.2354, 0.3065

Trichromacy



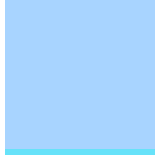
Original Color

64.1346, 0.2321, 0.2924



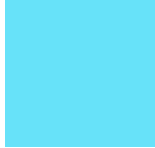
Protanomaly

62.4109, 0.2609, 0.2892



Deuteranomaly

62.6318, 0.2577, 0.2796



Tritanomaly

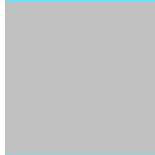
64.1158, 0.2338, 0.3005

Monochromacy



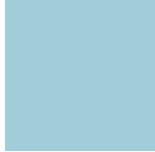
Original Color

64.1346, 0.2321, 0.2924



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.1976, 0.2743, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1346, 0.2321, 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(106, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.1346, 0.2321, 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(106, 225, 255) }
```

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

```
.border{ border-color:rgb(106, 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(106, 225, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1346, 0.2321, 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(106, 225, 255) }
```

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

```
.background{ background-color: rgb(106,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor