

Converting Colors

$Y_{xy}(65.0129, 0.2314, 0.2949)$

Have a look what the booklet for
Yxy(65.0129, 0.2314, 0.2949)
contains.

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Color

Yxy(64.9830, 0.2313, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	66E3FF
RGB	102, 227, 255
RGB Percent	40%, 89%, 100%
CMY	0.6006, 0.1097, 0.0000
CMYK	0.60, 0.11, 0.00, 0.00
HSL	191°, 100%, 70%
HSV	191°, 60%, 100%
XYZ	50.9856, 64.9830, 104.4622
YIQ	192.8170, -83.4880, -17.7920

Conversions

Conversions Part 2

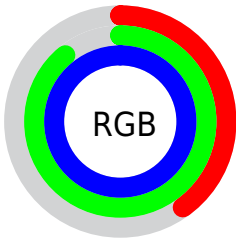
Format	Color
RYB	102, 171, 255
Decimal	6743039
CIELab	84.47, -26.82, -24.02
CIELCh	84, 36.005, 221.852
Yxy	64.9830, 0.2313, 0.2948
Android (android.graphics.Color)	4284933119 (0xFF66E3FF)
YUV	192.8170, 30.6562, -79.6465
Hunter-Lab	80.6120, -28.1731, -20.4033

Details

The Yxy color **64.9830, 0.2313, 0.2948** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **38.1382, 0.4826, 0.3567**, and the grayscale version is **53.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **33.2482, 0.2130, 0.2851** is the 20% darker color. If you saturate the color by 10%, you get **61.2056, 0.2226, 0.2881**, and if you desaturate by 10%, it is **69.2920, 0.2419, 0.3013**.

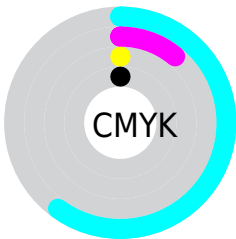
Distribution



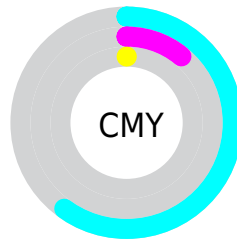
- Red (40%)
- Green (89%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9830, 0.2313, 0.2948 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 64.9830, 0.2313, 0.2948 by changing the saturation by 10% instead.


 64.9830, 0.2313,
0.2948

 64.9830, 0.2313,
0.2948


442.7309, 0.2684,
0.3119


 47.4473, 0.2231,
0.2906


 112.0254, 0.2440,
0.3010

 33.3894, 0.2130,
0.2853


 142.3009, 0.2490,
0.3033

 22.4249, 0.2006,
0.2785


 177.5918, 0.2533,
0.3053

 14.1695, 0.1848,
0.2692

218.2825, 0.2571,
0.3070

 8.2386, 0.1641,
0.2562

264.7573, 0.2604,
0.3085

 4.2480, 0.1365,
0.2369

317.4007, 0.2633,

 1.8132, 0.0988,

0.3098

0.2063

376.5971, 0.2660,
0.3109

■ 0.4954, 0.0000,
0.1485

■ 0.0000, 0.0000,
0.0000

■ 64.9830, 0.2313,
0.2948

■ 64.9830, 0.2313,
0.2948

■ 61.2056, 0.2226,
0.2881

■ 69.2920, 0.2419,
0.3013

■ 57.9084, 0.2158,
0.2814

■ 74.1639, 0.2540,
0.3076

■ 55.0413, 0.2110,
0.2748

■ 79.6358, 0.2675,
0.3136

■ 52.5321, 0.2079,
0.2682

■ 85.7393, 0.2820,
0.3191

 92.5036, 0.2971,
0.3243

99.9559, 0.3126,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

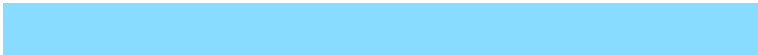
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.9830, 0.2480, 0.3366



64.9830, 0.2313, 0.2948



64.9830, 0.2344, 0.2668

Triad

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



64.9830, 0.2313, 0.2948



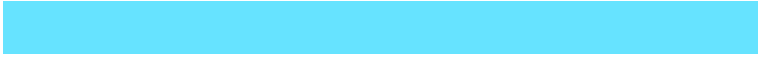
64.9830, 0.3403, 0.2850



64.9830, 0.3680, 0.4077

Complementary

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



64.9830, 0.2313, 0.2948



38.1382, 0.4826, 0.3567

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.



64.9830, 0.3964, 0.3863



64.9830, 0.2313, 0.2948



64.9830, 0.3807, 0.3167

Square

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



64.9830, 0.2313, 0.2948



64.9830, 0.2945, 0.2635



64.9830, 0.4016, 0.3529



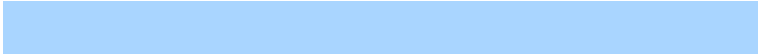
64.9830, 0.3258, 0.4068

Rectangle

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



64.9830, 0.2313, 0.2948



64.9830, 0.2472, 0.2580



64.9830, 0.4016, 0.3529



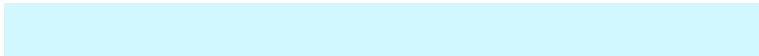
64.9830, 0.3795, 0.4025

Sweetspot

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



64.9854, 0.2313, 0.2948



87.0755, 0.2851, 0.3202



75.8785, 0.2938, 0.4945



18.2348, 0.2807, 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.



64.9854, 0.2313, 0.2948



60.5285, 0.2211, 0.2868



32.7875, 0.2092, 0.1966



19.8837, 0.2980, 0.3246



27.6530, 0.2082, 0.2693



2.8325, 0.2103, 0.2769

Inverse Universe

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



36.2816, 0.3466, 0.2101



31.0623, 0.3552, 0.1948



65.3794, 0.4282, 0.4293



18.2401, 0.3166, 0.3098



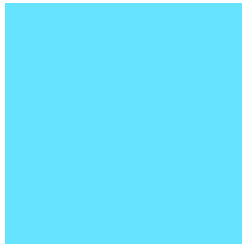
13.5195, 0.3734, 0.1831



1.3305, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 64.9830, 0.2313, 0.2948 looks on a white background.

Color Contrast Check

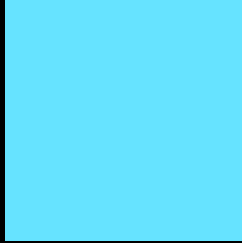
Large Text (above 18pt) WCAG AA × Fail

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 64.9830, 0.2313, 0.2948 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 64.9830, 0.2313, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 64.9830, 0.2313, 0.2948.

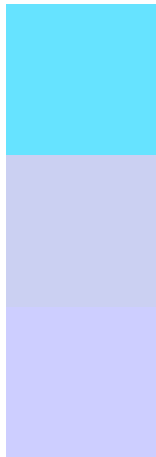


This preview shows how white text looks on a background with the Yxy color 64.9830, 0.2313, 0.2948.

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

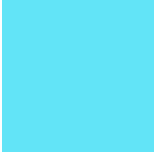
64.9830, 0.2313, 0.2948

Protanopia

64.2191, 0.2867, 0.2912

Deuteranopia

64.3417, 0.2800, 0.2759



Tritanopia

64.7989, 0.2335, 0.3053

Trichromacy



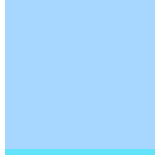
Original Color

64.9830, 0.2313, 0.2948



Protanomaly

63.4233, 0.2612, 0.2916



Deuteranomaly

63.5286, 0.2575, 0.2819



Tritanomaly

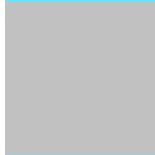
65.0416, 0.2326, 0.3018

Monochromacy



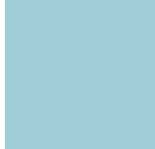
Original Color

64.9830, 0.2313, 0.2948



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.0941, 0.2737, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9830, 0.2313, 0.2948 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(102, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 227, 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(102, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.9830, 0.2313, 0.2948 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(102, 227, 255) }
```

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

```
.border{ border-color:rgb(102, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9830, 0.2313, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 227, 255) }
```

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

```
.background{ background-color: rgb(102,  
227, 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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