

Converting Colors

$Y_{xy}(64.4285, 0.2225, 0.3024)$

Have a look what the booklet for
Yxy(64.4285, 0.2225, 0.3024)
contains.

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Color

Yxy(64.4285, 0.2225, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	39E6FB
RGB	57, 230, 251
RGB Percent	22%, 90%, 98%
CMY	0.7759, 0.0981, 0.0156
CMYK	0.77, 0.08, 0.00, 0.02
HSL	187°, 96%, 60%
HSV	187°, 77%, 98%
XYZ	47.4052, 64.4285, 101.2235
YIQ	180.6670, -109.8490, -30.1450

Conversions

Conversions Part 2

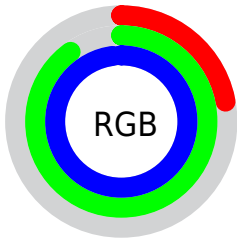
Format	Color
RYB	57, 148, 251
Decimal	3794683
CIELab	84.19, -35.33, -22.46
CIELCh	84, 41.860, 212.445
Yxy	64.4285, 0.2225, 0.3024
Android (android.graphics.Color)	4281984763 (0xFF39E6FB)
YUV	180.6670, 34.6742, -108.4560
Hunter-Lab	80.2674, -35.0473, -18.5822

Details

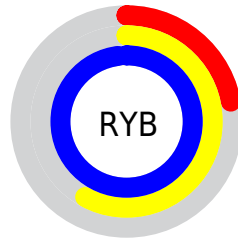
The Yxy color **64.4285, 0.2225, 0.3024** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.2848, 0.5676, 0.3448**, and the grayscale version is **45.8973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **34.1671, 0.2156, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **62.3607, 0.2181, 0.2986**, and if you desaturate by 10%, it is **66.8892, 0.2288, 0.3062**.

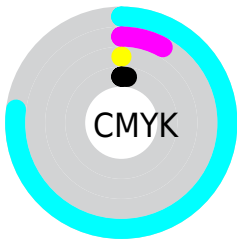
Distribution



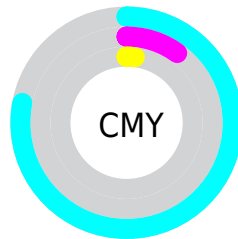
- Red (22%)
- Green (90%)
- Blue (98%)



- Red (22%)
- Yellow (58%)
- Blue (98%)



- Cyan (77%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (78%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4285, 0.2225, 0.3024 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 64.4285, 0.2225, 0.3024 by changing the saturation by 10% instead.


 64.4285, 0.2225,
0.3024

 64.4285, 0.2225,
0.3024


440.7354, 0.2635,
0.3164

 46.9978, 0.2134,
0.2988


 111.2278, 0.2365,
0.3075


 33.0339, 0.2024,
0.2943


 141.3652, 0.2420,
0.3095

 22.1524, 0.1888,
0.2882


 176.5070, 0.2468,
0.3111

 13.9690, 0.1715,
0.2799

 217.0376, 0.2510,
0.3124

 8.0991, 0.1492,
0.2679

263.3413, 0.2546,
0.3136

 4.1584, 0.1197,
0.2496

315.8026, 0.2579,

 1.7626, 0.0786,

0.3147

0.2197

374.8058, 0.2608,
0.3156

■ 0.4637, 0.0000,
0.1536

■ 0.0000, 0.0000,
0.0000

■ 64.4285, 0.2225,
0.3024

■ 64.4285, 0.2225,
0.3024

■ 62.3607, 0.2181,
0.2986

■ 66.8892, 0.2288,
0.3062


■ 60.6175, 0.2155,
0.2949


■ 69.7830, 0.2371,
0.3100

■ 60.1675, 0.2150,
0.2938


■ 73.1527, 0.2472,
0.3138


■ 77.0338, 0.2589,
0.3174

 81.4583, 0.2721,
0.3208

 86.4555, 0.2864,
0.3240

 92.0527, 0.3015,
0.3270

 97.7079, 0.3152,
0.3297

 99.4285, 0.3150,
0.3323

Harmonies

Analogous

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



64.4285, 0.2480, 0.3542



64.4285, 0.2225, 0.3024



64.4285, 0.2191, 0.2645

Triad

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



64.4285, 0.2225, 0.3024



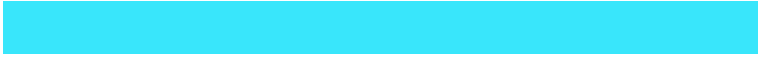
64.4285, 0.3277, 0.2692



64.4285, 0.3891, 0.4145

Complementary

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



64.4285, 0.2225, 0.3024



26.2848, 0.5676, 0.3448

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.



64.4285, 0.4152, 0.3830



64.4285, 0.2225, 0.3024



64.4285, 0.3790, 0.3021

Square

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



64.4285, 0.2225, 0.3024



64.4285, 0.2760, 0.2494



64.4285, 0.4121, 0.3424



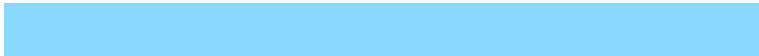
64.4285, 0.3434, 0.4241

Rectangle

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



64.4285, 0.2225, 0.3024



64.4285, 0.2291, 0.2505



64.4285, 0.4121, 0.3424



64.4285, 0.4005, 0.4057

Sweetspot

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



64.4309, 0.2225, 0.3024



86.5305, 0.2780, 0.3222



70.4133, 0.2967, 0.5567



18.1325, 0.2729, 0.3210



0.0000, 0.0000, 0.0000



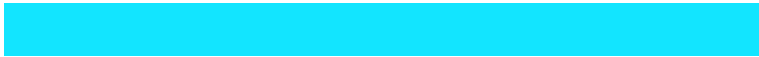
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4309, 0.2225, 0.3024



63.5380, 0.2164, 0.2964



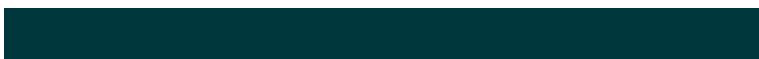
25.0846, 0.1880, 0.1701



19.2680, 0.2980, 0.3264



31.7516, 0.2151, 0.2945



3.0300, 0.2164, 0.2989

Inverse Universe

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



29.1675, 0.3423, 0.1797



27.3603, 0.3484, 0.1714



50.8798, 0.4740, 0.4340



17.4902, 0.3155, 0.3081



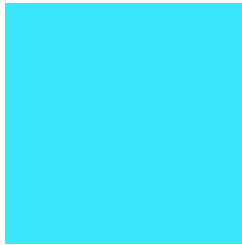
13.6162, 0.3503, 0.1704



1.2701, 0.3463, 0.1682

Previews

White Background



This preview shows how the Yxy color 64.4285, 0.2225, 0.3024 looks on a white background.

Color Contrast Check

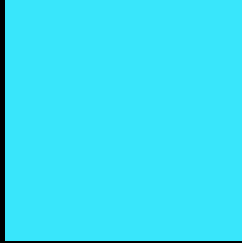
Large Text (above 18pt) WCAG AA × Fail

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 64.4285, 0.2225, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

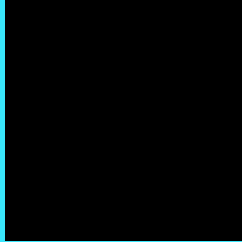
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4285, 0.2225, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 64.4285, 0.2225, 0.3024.

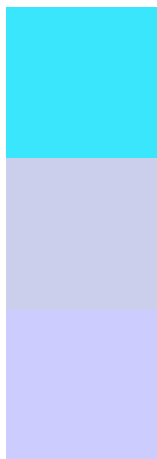


This preview shows how white text looks on a background with the Yxy color 64.4285, 0.2225, 0.3024.

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

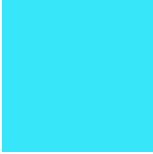
64.4285, 0.2225, 0.3024

Protanopia

63.5191, 0.2911, 0.2965

Deuteranopia

63.2431, 0.2792, 0.2735



Tritanopia

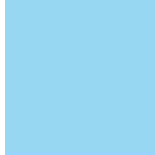
64.2454, 0.2229, 0.3048

Trichromacy



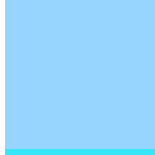
Original Color

64.4285, 0.2225, 0.3024



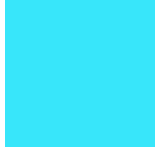
Protanomaly

61.5311, 0.2560, 0.2976



Deuteranomaly

61.3236, 0.2492, 0.2807



Tritanomaly

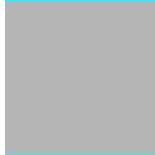
64.3365, 0.2227, 0.3036

Monochromacy



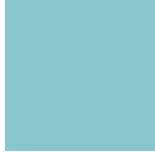
Original Color

64.4285, 0.2225, 0.3024



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.5373, 0.2637, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4285, 0.2225, 0.3024 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(57, 230, 251)` looks like.

```
.text, #text, p{  
    color:rgb(57, 230, 251)  
}
```

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(57, 230, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 230, 251) }
```

Border

The CSS property to change the border of an element to Yxy 64.4285, 0.2225, 0.3024 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(57, 230, 251) }
```

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

```
.border{ border-color:rgb(57, 230, 251) }
```

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

Here you see how a box with a 4 pixel rgb(57, 230, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 230, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 230, 251);  
box-shadow:4px 4px 4px 4px rgb(57, 230,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4285, 0.2225, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 230, 251) }
```

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

```
.background{ background-color: rgb(57, 230,  
251) }
```

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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