

Converting Colors

$Yxy(63.0607, 0.2237, 0.2926)$

Have a look what the booklet for
Yxy(63.0607, 0.2237, 0.2926)
contains.

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Color

Yxy(63.1492, 0.2237, 0.2929)

Conversions

Conversions Part 1

Format	Color
Hex	4CE2FF
RGB	76, 226, 255
RGB Percent	30%, 89%, 100%
CMY	0.7014, 0.1137, 0.0002
CMYK	0.70, 0.11, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 70%, 100%
XYZ	48.2297, 63.1492, 104.2210
YIQ	184.4560, -98.7090, -22.7810

Conversions

Conversions Part 2

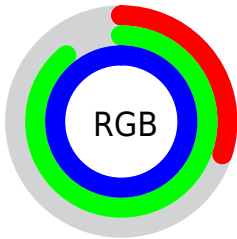
Format	Color
R_{YB}	76, 158, 255
Decimal	5038847
CIE _{Lab}	83.52, -30.16, -25.52
CIE _{LCh}	84, 39.508, 220.230
Yxy	63.1492, 0.2237, 0.2929
Android (android.graphics.Color)	4283228927 (0xFF4CE2FF)
YUV	184.4560, 34.7782, -95.1159
Hunter-Lab	79.4665, -30.7313, -22.1328

Details

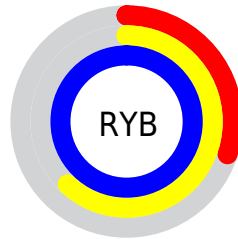
The Yxy color **63.1492, 0.2237, 0.2929** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.9023, 0.5288, 0.3544**, and the grayscale version is **48.0649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **32.8267, 0.2120, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **60.0847, 0.2172, 0.2870**, and if you desaturate by 10%, it is **66.6861, 0.2321, 0.2987**.

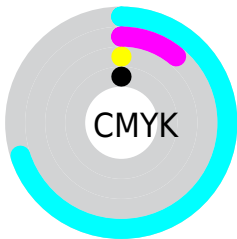
Distribution



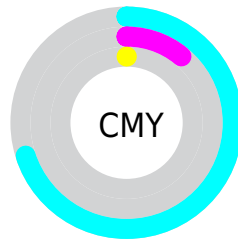
- Red (30%)
- Green (89%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)



- Cyan (70%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1492, 0.2237, 0.2929 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 63.1492, 0.2237, 0.2929 by changing the saturation by 10% instead.


 63.1492, 0.2237,
0.2929


 63.1492, 0.2237,
0.2929

436.1108, 0.2642,
0.3112

 45.9619, 0.2147,
0.2884

 109.3847, 0.2376,
0.2995


 32.2158, 0.2038,
0.2827


 139.2018, 0.2430,
0.3020

 21.5264, 0.1902,
0.2752

 173.9975, 0.2477,
0.3041

 13.5093, 0.1731,
0.2651

 214.1564, 0.2519,
0.3060

 7.7802, 0.1509,
0.2508

260.0627, 0.2555,
0.3075

 3.9546, 0.1216,
0.2295

312.1010, 0.2587,

 1.6482, 0.0816,

0.3089

0.1960

370.6555, 0.2616,
0.3101

■ 0.3898, 0.0000,
0.1214

■ 0.0000, 0.0000,
0.0000

■ 63.1492, 0.2237,
0.2929

■ 63.1492, 0.2237,
0.2929

■ 60.0847, 0.2172,
0.2870

■ 66.6861, 0.2321,
0.2987

■ 57.4333, 0.2127,
0.2812

■ 70.7325, 0.2424,
0.3045

■ 55.1405, 0.2099,
0.2755

■ 75.3291, 0.2543,
0.3100

■ 80.5104, 0.2676,
0.3153

■ 86.3079, 0.2820,
0.3202

■ 92.7507, 0.2970,
0.3248

99.8657, 0.3125,
0.3289

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



63.1492, 0.2429, 0.3398



63.1492, 0.2237, 0.2929



63.1492, 0.2260, 0.2614

Triad

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



63.1492, 0.2237, 0.2929



63.1492, 0.3404, 0.2791



63.1492, 0.3756, 0.4152

Complementary

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



63.1492, 0.2237, 0.2929



31.9023, 0.5288, 0.3544

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.



63.1492, 0.4062, 0.3898



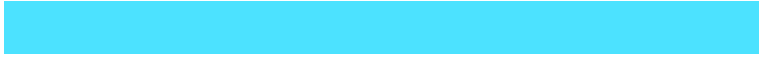
63.1492, 0.2237, 0.2929



63.1492, 0.3861, 0.3131

Square

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



63.1492, 0.2237, 0.2929



63.1492, 0.2898, 0.2564



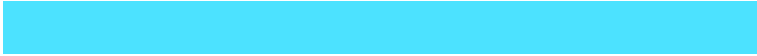
63.1492, 0.4108, 0.3525



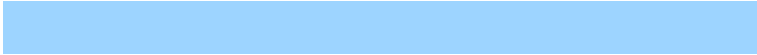
63.1492, 0.3294, 0.4166

Rectangle

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



63.1492, 0.2237, 0.2929



63.1492, 0.2391, 0.2513



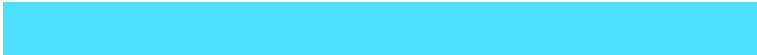
63.1492, 0.4108, 0.3525



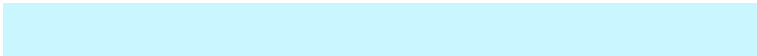
63.1492, 0.3881, 0.4088

Sweetspot

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



63.1515, 0.2237, 0.2929



85.8101, 0.2807, 0.3198



74.0165, 0.2939, 0.5282



18.0139, 0.2767, 0.3185



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.



63.1515, 0.2237, 0.2929



59.0338, 0.2153, 0.2848



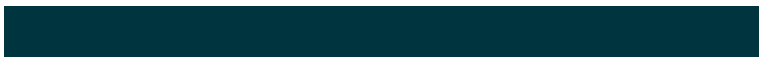
27.1478, 0.1943, 0.1745



19.9509, 0.2980, 0.3251



29.0086, 0.2101, 0.2765



2.9524, 0.2120, 0.2831

Inverse Universe

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



31.9327, 0.3497, 0.1940



28.0155, 0.3584, 0.1826



59.6413, 0.4512, 0.4377



18.2468, 0.3163, 0.3093



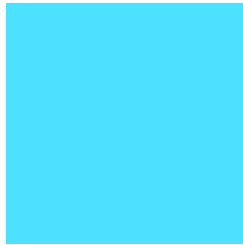
13.6564, 0.3668, 0.1794



1.3426, 0.3606, 0.1760

Previews

White Background



This preview shows how the Yxy color 63.1492, 0.2237, 0.2929 looks on a white background.

Color Contrast Check

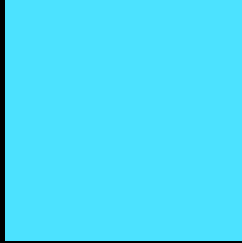
Large Text (above 18pt) WCAG AA × Fail

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 63.1492, 0.2237, 0.2929 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 63.1492, 0.2237, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 63.1492, 0.2237, 0.2929.

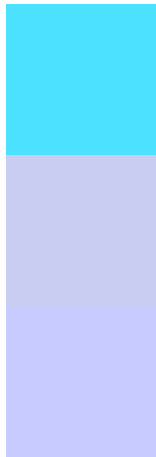


This preview shows how white text looks on a background with the Yxy color 63.1492, 0.2237, 0.2929.

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

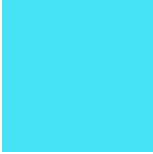
63.1492, 0.2237, 0.2929

Protanopia

62.2929, 0.2851, 0.2886

Deuteranopia

62.2112, 0.2764, 0.2720



Tritanopia

62.8941, 0.2259, 0.3047

Trichromacy



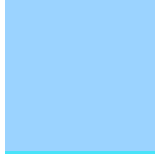
Original Color

63.1492, 0.2237, 0.2929



Protanomaly

61.2109, 0.2553, 0.2897



Deuteranomaly

60.7771, 0.2504, 0.2774



Tritanomaly

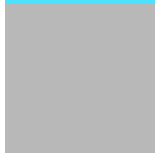
63.1554, 0.2253, 0.3011

Monochromacy



Original Color

63.1492, 0.2237, 0.2929



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.5197, 0.2669, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1492, 0.2237, 0.2929 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(76, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 226, 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(76, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.1492, 0.2237, 0.2929 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(76, 226, 255) }
```

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

```
.border{ border-color:rgb(76, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1492, 0.2237, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 226, 255) }
```

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

```
.background{ background-color: rgb(76, 226,  
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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