

Converting Colors

$Yxy(65.8366, 0.2350, 0.3106)$

Have a look what the booklet for
Yxy(65.8366, 0.2350, 0.3106)
contains.

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Color

Yxy(65.7829, 0.2349, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	62E6F5
RGB	98, 230, 245
RGB Percent	38%, 90%, 96%
CMY	0.6158, 0.0980, 0.0392
CMYK	0.60, 0.06, 0.00, 0.04
HSL	186°, 88%, 67%
HSV	186°, 60%, 96%
XYZ	49.8143, 65.7829, 96.4689
YIQ	192.2420, -83.4870, -23.3190

Conversions

Conversions Part 2

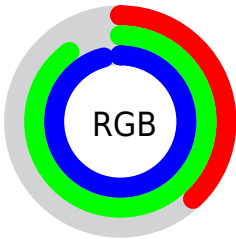
Format	Color
R _{YB}	98, 168, 245
Decimal	6481653
CIE Lab	84.89, -31.72, -18.15
CIE LCh	85, 36.549, 209.774
Yxy	65.7829, 0.2349, 0.3102
Android (android.graphics.Color)	4284671733 (0xFF62E6F5)
YUV	192.2420, 26.0097, -82.6502
Hunter-Lab	81.1067, -32.3050, -13.7453

Details

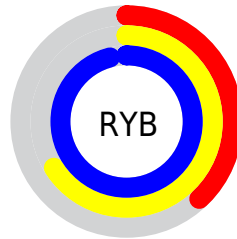
The Yxy color **65.7829, 0.2349, 0.3102** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.1035, 0.4910, 0.3444**, and the grayscale version is **52.7406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **33.9462, 0.2178, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **63.2429, 0.2273, 0.3066**, and if you desaturate by 10%, it is **68.7647, 0.2444, 0.3137**.

Distribution



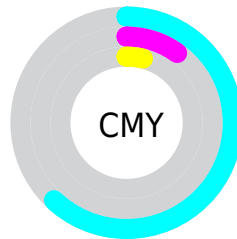
- Red (38%)
- Green (90%)
- Blue (96%)



- Red (38%)
- Yellow (66%)
- Blue (96%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)




- Cyan (62%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7829, 0.2349, 0.3102 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 65.7829, 0.2349, 0.3102 by changing the saturation by 10% instead.


 65.7829, 0.2349,
0.3102


 65.7829, 0.2349,
0.3102


445.6001, 0.2704,
0.3201


 48.0962, 0.2270,
0.3077


 113.1747, 0.2471,
0.3139

 33.9031, 0.2173,
0.3044

 143.6485, 0.2519,
0.3152

 22.8191, 0.2052,
0.3000


 179.1536, 0.2560,
0.3164

 14.4600, 0.1898,
0.2939

220.0742, 0.2596,
0.3174

 8.4413, 0.1695,
0.2850

266.7947, 0.2628,
0.3182

 4.3786, 0.1421,
0.2711

319.6996, 0.2656,

 1.8875, 0.1037,

0.3189

0.2473

379.1733, 0.2681,
0.3196

0.5409, 0.0000,
0.2001

0.0000, 0.0000,
0.0000

65.7829, 0.2349,
0.3102

65.7829, 0.2349,
0.3102

63.2429, 0.2273,
0.3066

68.7647, 0.2444,
0.3137

61.0979, 0.2216,
0.3031

72.2155, 0.2557,
0.3171


59.3031, 0.2178,
0.2995


76.1687, 0.2684,
0.3204

57.7820, 0.2156,
0.2960

80.6526, 0.2824,
0.3235

 85.6933, 0.2973,
0.3264

 91.3151, 0.3127,
0.3290

 94.6892, 0.3190,
0.3314

 96.2334, 0.3188,
0.3338

 97.7983, 0.3187,
0.3362

Harmonies

Analogous

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



65.7829, 0.2593, 0.3550



65.7829, 0.2349, 0.3102



65.7829, 0.2299, 0.2754

Triad

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



65.7829, 0.2349, 0.3102



65.7829, 0.3218, 0.2743



65.7829, 0.3824, 0.4019

Complementary

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



65.7829, 0.2349, 0.3102



32.1035, 0.4910, 0.3444

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.



65.7829, 0.4026, 0.3741



65.7829, 0.2349, 0.3102



65.7829, 0.3667, 0.3028

Square

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



65.7829, 0.2349, 0.3102



65.7829, 0.2773, 0.2581



65.7829, 0.3971, 0.3383



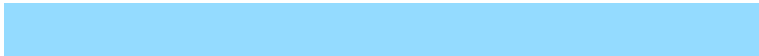
65.7829, 0.3440, 0.4113

Rectangle

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



65.7829, 0.2349, 0.3102



65.7829, 0.2377, 0.2616



65.7829, 0.3971, 0.3383



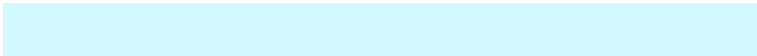
65.7829, 0.3917, 0.3942

Sweetspot

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



65.7854, 0.2349, 0.3102



89.3568, 0.2853, 0.3241



69.0942, 0.2979, 0.5063



18.7989, 0.2810, 0.3232



0.0000, 0.0000, 0.0000



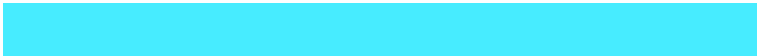
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7854, 0.2349, 0.3102



68.7145, 0.2259, 0.3059



33.2322, 0.2125, 0.2106



18.4517, 0.2981, 0.3265



31.2432, 0.2157, 0.2966



2.8277, 0.2170, 0.3010

Inverse Universe

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



33.8594, 0.3340, 0.2008



31.8887, 0.3389, 0.1841



55.4983, 0.4347, 0.4198



16.7374, 0.3154, 0.3080



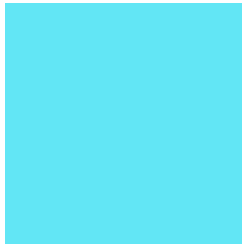
13.2534, 0.3484, 0.1693



1.1731, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 65.7829, 0.2349, 0.3102 looks on a white background.

Color Contrast Check

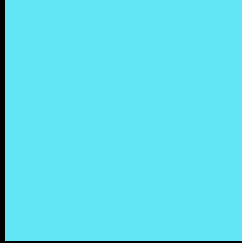
Large Text (above 18pt) WCAG AA × Fail

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 65.7829, 0.2349, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

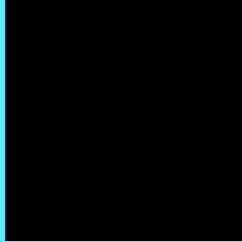
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7829, 0.2349, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 65.7829, 0.2349, 0.3102.

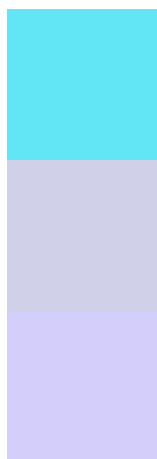


This preview shows how white text looks on a background with the Yxy color 65.7829, 0.2349, 0.3102.

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

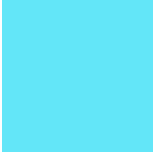
65.7829, 0.2349, 0.3102

Protanopia

64.8370, 0.2965, 0.3034

Deuteranopia

64.8936, 0.2871, 0.2815



Tritanopia

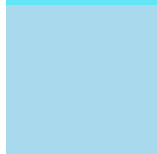
66.0236, 0.2340, 0.3067

Trichromacy



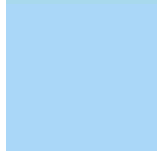
Original Color

65.7829, 0.2349, 0.3102



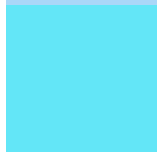
Protanomaly

64.0650, 0.2681, 0.3053



Deuteranomaly

63.9242, 0.2630, 0.2908



Tritanomaly

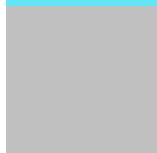
65.9617, 0.2344, 0.3078

Monochromacy



Original Color

65.7829, 0.2349, 0.3102



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.1149, 0.2755, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7829, 0.2349, 0.3102 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(98, 230, 245)` looks like.

```
.text, #text, p{  
    color:rgb(98, 230, 245)  
}
```

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(98, 230, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 230, 245) }
```

Border

The CSS property to change the border of an element to Yxy 65.7829, 0.2349, 0.3102 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(98, 230, 245) }
```

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

```
.border{ border-color:rgb(98, 230, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 230, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 230, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 230, 245);  
box-shadow:4px 4px 4px 4px rgb(98, 230,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7829, 0.2349, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 230, 245) }
```

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

```
.background{ background-color: rgb(98, 230,  
245) }
```

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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