

Converting Colors

$Yxy(64.4603, 0.2392, 0.3296)$

Have a look what the booklet for
Yxy(64.4603, 0.2392, 0.3296)
contains.

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Color

Yxy(64.4749, 0.2393, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	5BE6E5
RGB	91, 230, 229
RGB Percent	36%, 90%, 90%
CMY	0.6438, 0.0980, 0.1020
CMYK	0.61, 0.00, 0.00, 0.10
HSL	180°, 74%, 63%
HSV	180°, 61%, 90%
XYZ	46.7399, 64.4749, 84.1045
YIQ	188.3250, -82.5230, -29.7790

Conversions

Conversions Part 2

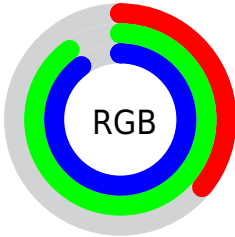
Format	Color
R _Y B	91, 161, 230
Decimal	6022885
CIE Lab	84.21, -37.29, -10.73
CIE LCh	84, 38.805, 196.046
Yxy	64.4749, 0.2393, 0.3301
Android (android.graphics.Color)	4284212965 (0xFF5BE6E5)
YUV	188.3250, 20.0528, -85.3540
Hunter-Lab	80.2963, -36.6148, -5.8946

Details

The Yxy color **64.4749, 0.2393, 0.3301** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **25.0490, 0.5022, 0.3285**, and the grayscale version is **50.3779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **33.3281, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **63.4752, 0.2331, 0.3303**, and if you desaturate by 10%, it is **65.8374, 0.2475, 0.3299**.

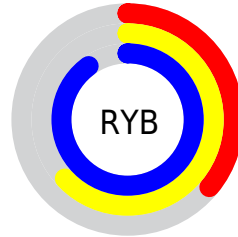
Distribution



Red (36%)

Green (90%)

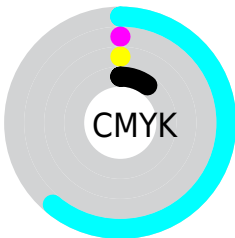
Blue (90%)



Red (36%)

Yellow (63%)

Blue (90%)

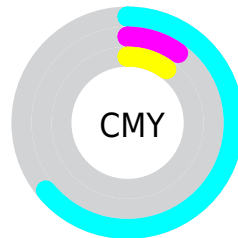


Cyan (61%)

Magenta (0%)

Yellow (0%)

Black (10%)



Cyan (64%)


Magenta (10%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4749, 0.2393, 0.3301 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 64.4749, 0.2393, 0.3301 by changing the saturation by 10% instead.

 64.4749, 0.2393,
0.3301

 64.4749, 0.2393,
0.3301


440.9026, 0.2732,
0.3305

 47.0354, 0.2316,
0.3298


 111.2946, 0.2510,
0.3304


 33.0637, 0.2222,
0.3292


 141.4436, 0.2556,
0.3305

 22.1752, 0.2104,
0.3284


 176.5979, 0.2595,
0.3305

 13.9857, 0.1951,
0.3269

 217.1419, 0.2630,
0.3305

 8.1107, 0.1747,
0.3242

263.4599, 0.2660,
0.3305

 4.1659, 0.1465,
0.3189

315.9365, 0.2686,

 1.7668, 0.1022,

0.3305

374.9559, 0.2710,
0.3305

0.3086

0.4663, 0.0000,
0.2658

0.0000, 0.0000,
0.0000

64.4749, 0.2393,
0.3301

64.4749, 0.2393,
0.3301

63.4752, 0.2331,
0.3303

65.8374, 0.2475,
0.3299

62.7970, 0.2288,
0.3306


67.5850, 0.2575,
0.3297


62.4022, 0.2263,
0.3308

69.7468, 0.2692,
0.3295


62.2247, 0.2253,
0.3310

72.3470, 0.2823,
0.3293

 75.4080, 0.2967,
0.3291

 78.9505, 0.3119,
0.3290

 82.9943, 0.3277,
0.3289

 83.5982, 0.3298,
0.3287

 83.6078, 0.3297,
0.3286

Harmonies

Analogous

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



64.4749, 0.2734, 0.3782



64.4749, 0.2393, 0.3301



64.4749, 0.2245, 0.2865

Triad

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



64.4749, 0.2393, 0.3301



64.4749, 0.2996, 0.2612



64.4749, 0.3999, 0.3946

Complementary

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



64.4749, 0.2393, 0.3301



25.0490, 0.5022, 0.3285

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.



64.4749, 0.4098, 0.3596



64.4749, 0.2393, 0.3301



64.4749, 0.3493, 0.2860

Square

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



64.4749, 0.2393, 0.3301



64.4749, 0.2570, 0.2513



64.4749, 0.3909, 0.3208



64.4749, 0.3663, 0.4156

Rectangle

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



64.4749, 0.2393, 0.3301



64.4749, 0.2263, 0.2662



64.4749, 0.3909, 0.3208



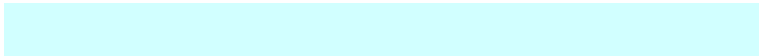
64.4749, 0.4063, 0.3839

Sweetspot

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



64.4774, 0.2393, 0.3301



92.2881, 0.2857, 0.3293



59.6923, 0.3046, 0.5238



19.5262, 0.2816, 0.3293



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.



64.4774, 0.2393, 0.3301



79.9116, 0.2317, 0.3304



34.0329, 0.2175, 0.2340



16.3345, 0.2983, 0.3291



35.2218, 0.2253, 0.3310



2.6034, 0.2252, 0.3306

Inverse Universe

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



25.0490, 0.5022, 0.3285



25.9428, 0.5636, 0.3288



42.0678, 0.4482, 0.4032



14.3697, 0.3291, 0.3289



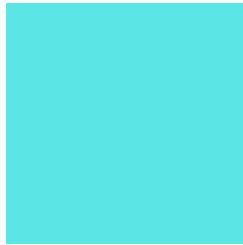
9.5271, 0.6393, 0.3295



0.7046, 0.6369, 0.3282

Previews

White Background



This preview shows how the Yxy color 64.4749, 0.2393, 0.3301 looks on a white background.

Color Contrast Check

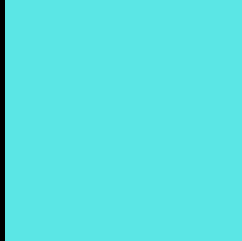
Large Text (above 18pt) WCAG AA × Fail

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 64.4749, 0.2393, 0.3301 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 64.4749, 0.2393, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 64.4749, 0.2393, 0.3301.

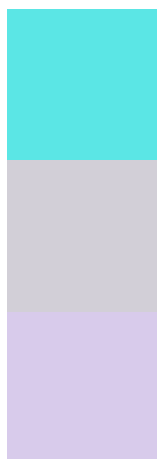


This preview shows how white text looks on a background with the Yxy color 64.4749, 0.2393, 0.3301.

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

64.4749, 0.2393, 0.3301

Protanopia

63.2336, 0.3094, 0.3199

Deuteranopia

63.3090, 0.3003, 0.2939



Tritanopia

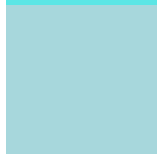
64.1887, 0.2336, 0.3052

Trichromacy



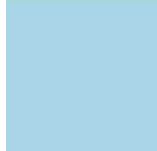
Original Color

64.4749, 0.2393, 0.3301



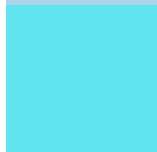
Protanomaly

61.9837, 0.2768, 0.3228



Deuteranomaly

62.0177, 0.2710, 0.3051



Tritanomaly

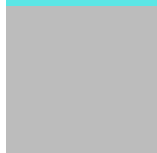
64.2110, 0.2354, 0.3137

Monochromacy



Original Color

64.4749, 0.2393, 0.3301



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.7960, 0.2768, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4749, 0.2393, 0.3301 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(91, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(91, 230, 229)  
}
```

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(91, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 64.4749, 0.2393, 0.3301 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(91, 230, 229) }
```

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

```
.border{ border-color:rgb(91, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(91, 230,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4749, 0.2393, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 230, 229) }
```

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

```
.background{ background-color: rgb(91, 230,  
229) }
```

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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