

Converting Colors

$Yxy(63.9879, 0.2438, 0.3216)$

Have a look what the booklet for
Yxy(63.9879, 0.2438, 0.3216)
contains.

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Color

Yxy(64.0794, 0.2439, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	6EE3E8
RGB	110, 227, 232
RGB Percent	43%, 89%, 91%
CMY	0.5687, 0.1098, 0.0902
CMYK	0.53, 0.02, 0.00, 0.09
HSL	182°, 73%, 67%
HSV	182°, 53%, 91%
XYZ	48.4619, 64.0794, 86.1545
YIQ	192.5870, -71.3370, -23.2490

Conversions

Conversions Part 2

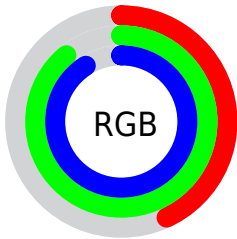
Format	Color
RYB	110, 170, 232
Decimal	7267304
CIELab	84.01, -31.62, -12.56
CIELCh	84, 34.022, 201.662
Yxy	64.0794, 0.2439, 0.3225
Android (android.graphics.Color)	4285457384 (0xFF6EE3E8)
YUV	192.5870, 19.4306, -72.4288
Hunter-Lab	80.0496, -32.0232, -7.7770

Details

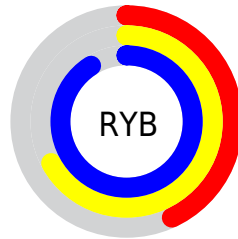
The Yxy color **64.0794, 0.2439, 0.3225** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.5346, 0.4631, 0.3349**, and the grayscale version is **52.9868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **32.7115, 0.2279, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **62.2663, 0.2356, 0.3211**, and if you desaturate by 10%, it is **66.2897, 0.2540, 0.3239**.

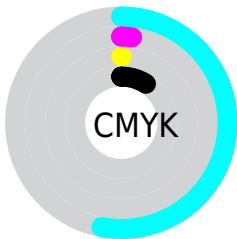
Distribution



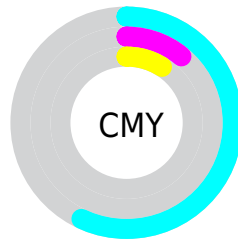
- Red (43%)
- Green (89%)
- Blue (91%)



- Red (43%)
- Yellow (67%)
- Blue (91%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)




- Cyan (57%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0794, 0.2439, 0.3225 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 64.0794, 0.2439, 0.3225 by changing the saturation by 10% instead.


 64.0794, 0.2439,
0.3225

 64.0794, 0.2439,
0.3225


439.4763, 0.2757,
0.3264

 46.7150, 0.2367,
0.3214


 110.7253, 0.2549,
0.3240

 32.8104, 0.2278,
0.3199


 140.7755, 0.2592,
0.3246

 21.9812, 0.2167,
0.3177


 175.8232, 0.2629,
0.3250

 13.8431, 0.2022,
0.3146

216.2526, 0.2661,
0.3254

 8.0116, 0.1830,
0.3098

262.4483, 0.2689,
0.3257

 4.1024, 0.1561,
0.3016

314.7945, 0.2714,

 1.7310, 0.1160,

0.3260

0.2861

373.6757, 0.2737,
0.3262

■ 0.4436, 0.0000,
0.2383

■ 0.0000, 0.0000,
0.0000

■ 64.0794, 0.2439,
0.3225

■ 64.0794, 0.2439,
0.3225

■ 62.2663, 0.2356,
0.3211

■ 66.2897, 0.2540,
0.3239

■ 60.8120, 0.2293,
0.3197


■ 68.9175, 0.2658,
0.3252


■ 59.6830, 0.2248,
0.3183


■ 71.9906, 0.2791,
0.3264


■ 58.8361, 0.2222,
0.3170


■ 75.5321, 0.2935,
0.3276


 58.3402, 0.2211,
0.3160

 79.5638, 0.3087,
0.3287

 84.1057, 0.3244,
0.3297

 85.7311, 0.3283,
0.3307

 86.2716, 0.3282,
0.3316

 86.8150, 0.3282,
0.3325

Harmonies

Analogous

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



64.0794, 0.2715, 0.3646



64.0794, 0.2439, 0.3225



64.0794, 0.2340, 0.2862

Triad

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



64.0794, 0.2439, 0.3225



64.0794, 0.3095, 0.2719



64.0794, 0.3855, 0.3920

Complementary

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



64.0794, 0.2439, 0.3225



30.5346, 0.4631, 0.3349

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.



64.0794, 0.3983, 0.3630



64.0794, 0.2439, 0.3225



64.0794, 0.3528, 0.2962

Square

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



64.0794, 0.2439, 0.3225



64.0794, 0.2698, 0.2604



64.0794, 0.3862, 0.3286



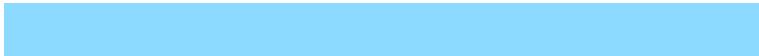
64.0794, 0.3532, 0.4061

Rectangle

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



64.0794, 0.2439, 0.3225



64.0794, 0.2380, 0.2700



64.0794, 0.3862, 0.3286



64.0794, 0.3923, 0.3835

Sweetspot

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



64.0819, 0.2439, 0.3225



92.0065, 0.2883, 0.3272



62.2408, 0.3030, 0.4921



19.4976, 0.2853, 0.3270



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.



64.0819, 0.2439, 0.3225



77.0186, 0.2351, 0.3210



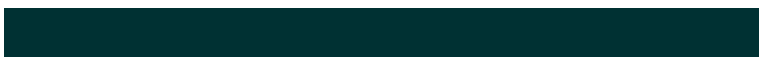
36.7478, 0.2272, 0.2400



16.2300, 0.2982, 0.3280



32.4365, 0.2212, 0.3162



2.4285, 0.2217, 0.3182

Inverse Universe

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



33.8489, 0.3234, 0.2077



36.1319, 0.3256, 0.1889



48.9618, 0.4220, 0.4017



14.6045, 0.3144, 0.3068



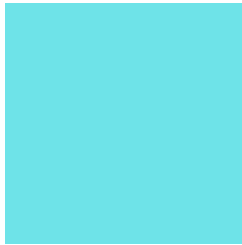
12.4722, 0.3314, 0.1599



0.9248, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 64.0794, 0.2439, 0.3225 looks on a white background.

Color Contrast Check

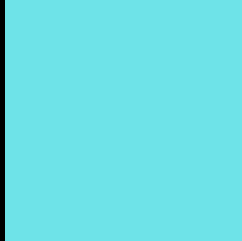
Large Text (above 18pt) WCAG AA × Fail

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 64.0794, 0.2439, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

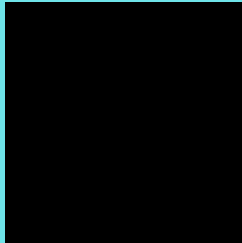
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0794, 0.2439, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 64.0794, 0.2439, 0.3225.

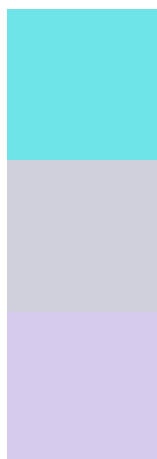


This preview shows how white text looks on a background with the Yxy color 64.0794, 0.2439, 0.3225.

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

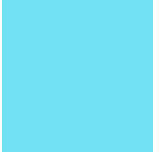
64.0794, 0.2439, 0.3225

Protanopia

63.2029, 0.3045, 0.3142

Deuteranopia

63.2734, 0.2982, 0.2918



Tritanopia

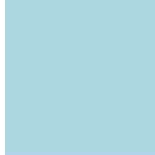
63.8989, 0.2401, 0.3066

Trichromacy



Original Color

64.0794, 0.2439, 0.3225



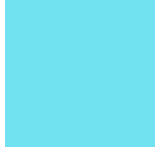
Protanomaly

62.2456, 0.2775, 0.3169



Deuteranomaly

62.4322, 0.2741, 0.3019



Tritanomaly

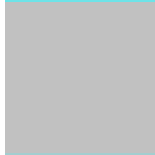
64.1354, 0.2417, 0.3126

Monochromacy



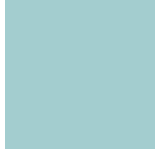
Original Color

64.0794, 0.2439, 0.3225



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.9542, 0.2811, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0794, 0.2439, 0.3225 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(110, 227, 232)` looks like.

```
.text, #text, p{  
    color:rgb(110, 227, 232)  
}
```

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(110, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 227, 232) }
```

Border

The CSS property to change the border of an element to Yxy 64.0794, 0.2439, 0.3225 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(110, 227, 232) }
```

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

```
.border{ border-color:rgb(110, 227, 232) }
```

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

Here you see how a box with a 4 pixel rgb(110, 227, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(110, 227,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0794, 0.2439, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 227, 232) }
```

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

```
.background{ background-color: rgb(110,  
227, 232) }
```

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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