

Converting Colors

$Yxy(63.4858, 0.2476, 0.3165)$

Have a look what the booklet for
Yxy(63.4858, 0.2476, 0.3165)
contains.

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Color

Yxy(63.4628, 0.2476, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	7BE0EA
RGB	123, 224, 234
RGB Percent	48%, 88%, 92%
CMY	0.5177, 0.1216, 0.0822
CMYK	0.47, 0.04, 0.00, 0.08
HSL	185°, 73%, 70%
HSV	185°, 47%, 92%
XYZ	49.6788, 63.4628, 87.4996
YIQ	194.9410, -63.4060, -18.3020

Conversions

Conversions Part 2

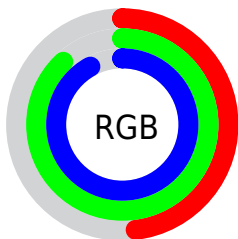
Format	Color
R _Y B	123, 176, 234
Decimal	8118506
CIE Lab	83.69, -26.92, -14.07
CIE LCh	84, 30.373, 207.599
Yxy	63.4628, 0.2476, 0.3163
Android (android.graphics.Color)	4286308586 (0xFF7BE0EA)
YUV	194.9410, 19.2561, -63.0923
Hunter-Lab	79.6635, -28.0973, -9.3576

Details

The Yxy color **63.4628, 0.2476, 0.3163** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.7133, 0.4379, 0.3407**, and the grayscale version is **54.4499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **32.2437, 0.2325, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **60.8107, 0.2378, 0.3132**, and if you desaturate by 10%, it is **66.5465, 0.2591, 0.3193**.

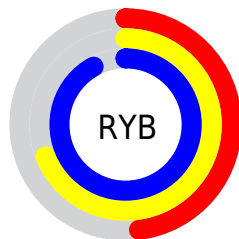
Distribution



Red (48%)

Green (88%)

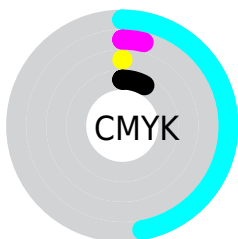
Blue (92%)



Red (48%)

Yellow (69%)

Blue (92%)

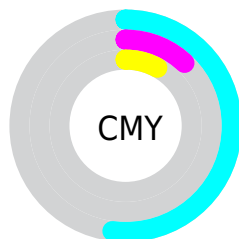


Cyan (47%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (52%)


Magenta (12%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4628, 0.2476, 0.3163 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 63.4628, 0.2476, 0.3163 by changing the saturation by 10% instead.


 63.4628, 0.2476,
0.3163

 63.4628, 0.2476,
0.3163

437.2471, 0.2777,
0.3231


 46.2157, 0.2407,
0.3145


 109.8369, 0.2580,
0.3188

 32.4161, 0.2323,
0.3122


 139.7327, 0.2621,
0.3198

 21.6795, 0.2217,
0.3091


 174.6136, 0.2656,
0.3205

 13.6216, 0.2079,
0.3047

214.8639, 0.2687,
0.3212

 7.8580, 0.1894,
0.2982

260.8680, 0.2713,
0.3218

 4.0042, 0.1636,
0.2876

313.0103, 0.2737,

 1.6759, 0.1255,

0.3223

0.2686

371.6752, 0.2758,
0.3227

0.4080, 0.0000,
0.2131

0.0000, 0.0000,
0.0000

63.4628, 0.2476,
0.3163

63.4628, 0.2476,
0.3163

60.8107, 0.2378,
0.3132

66.5465, 0.2591,
0.3193

58.5528, 0.2298,
0.3101


70.0813, 0.2721,
0.3221


56.6578, 0.2237,
0.3070

74.0945, 0.2862,
0.3248


55.0856, 0.2196,
0.3038


78.6089, 0.3012,
0.3273

 53.7835, 0.2172,
0.3008


 83.6458, 0.3167,
0.3296

 53.4727, 0.2167,
0.3000

 87.5931, 0.3267,
0.3316

 88.8232, 0.3265,
0.3337

 90.0677, 0.3263,
0.3358

 91.3268, 0.3261,
0.3378

Harmonies

Analogous

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



63.4628, 0.2698, 0.3536



63.4628, 0.2476, 0.3163



63.4628, 0.2419, 0.2858

Triad

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



63.4628, 0.2476, 0.3163



63.4628, 0.3178, 0.2809



63.4628, 0.3736, 0.3896

Complementary

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



63.4628, 0.2476, 0.3163



35.7133, 0.4379, 0.3407

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.



63.4628, 0.3888, 0.3659



63.4628, 0.2476, 0.3163



63.4628, 0.3557, 0.3049

Square

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



63.4628, 0.2476, 0.3163



63.4628, 0.2806, 0.2680



63.4628, 0.3823, 0.3352



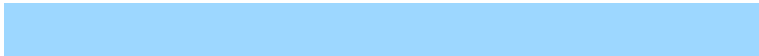
63.4628, 0.3422, 0.3979

Rectangle

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



63.4628, 0.2476, 0.3163



63.4628, 0.2478, 0.2730



63.4628, 0.3823, 0.3352



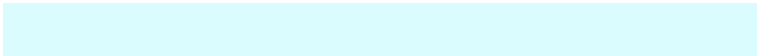
63.4628, 0.3808, 0.3830

Sweetspot

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



63.4652, 0.2476, 0.3163



91.8052, 0.2912, 0.3257



64.7503, 0.3011, 0.4667



19.4034, 0.2880, 0.3251



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.



63.4652, 0.2476, 0.3163



73.9352, 0.2379, 0.3133



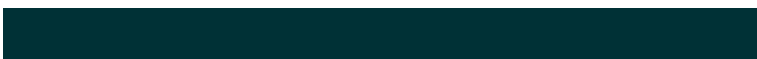
38.6281, 0.2340, 0.2426



16.8755, 0.2981, 0.3268



30.1354, 0.2168, 0.3005



2.4346, 0.2180, 0.3047

Inverse Universe

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



37.0462, 0.3276, 0.2227



38.7390, 0.3312, 0.2043



54.7974, 0.4058, 0.4010



15.2889, 0.3152, 0.3078



12.5350, 0.3450, 0.1674



0.9912, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 63.4628, 0.2476, 0.3163 looks on a white background.

Color Contrast Check

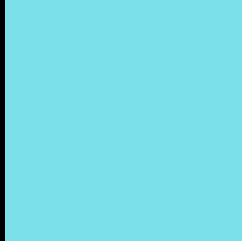
Large Text (above 18pt) WCAG AA × Fail

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 63.4628, 0.2476, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

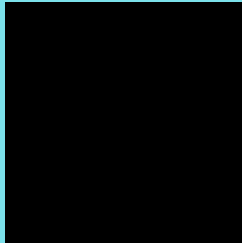
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4628, 0.2476, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 63.4628, 0.2476, 0.3163.

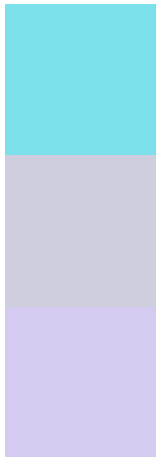


This preview shows how white text looks on a background with the Yxy color 63.4628, 0.2476, 0.3163.

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

63.4628, 0.2476, 0.3163

Protanopia

62.7357, 0.3018, 0.3097

Deuteranopia

62.6192, 0.2954, 0.2884



Tritanopia

63.4862, 0.2450, 0.3067

Trichromacy



Original Color

63.4628, 0.2476, 0.3163



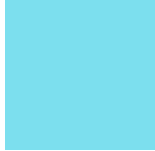
Protanomaly

62.3647, 0.2782, 0.3123



Deuteranomaly

61.9109, 0.2746, 0.2975



Tritanomaly

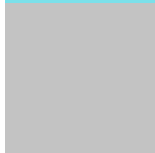
63.2335, 0.2460, 0.3102

Monochromacy



Original Color

63.4628, 0.2476, 0.3163



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.1811, 0.2840, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4628, 0.2476, 0.3163 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(123, 224, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 224, 234)  
}
```

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(123, 224, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 224, 234) }
```

Border

The CSS property to change the border of an element to Yxy 63.4628, 0.2476, 0.3163 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(123, 224, 234) }
```

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

```
.border{ border-color:rgb(123, 224, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 224, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 224, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 224, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 224,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4628, 0.2476, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 224, 234) }
```

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

```
.background{ background-color: rgb(123,  
224, 234) }
```

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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