

Converting Colors

$Yxy(58.3063, 0.2442, 0.3248)$

Have a look what the booklet for
Yxy(58.3063, 0.2442, 0.3248)
contains.

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Color

Yxy(58.3063, 0.2442, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	68DADD
RGB	104, 218, 221
RGB Percent	41%, 85%, 87%
CMY	0.5920, 0.1451, 0.1332
CMYK	0.53, 0.01, 0.00, 0.13
HSL	182°, 63%, 64%
HSV	182°, 53%, 87%
XYZ	43.8374, 58.3063, 77.3707
YIQ	184.2560, -68.9070, -23.2350

Conversions

Conversions Part 2

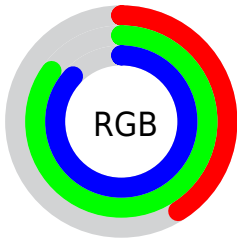
Format	Color
RYB	104, 162, 221
Decimal	6871773
CIELab	80.91, -31.40, -11.39
CIELCh	81, 33.399, 199.935
Yxy	58.3063, 0.2442, 0.3248
Android (android.graphics.Color)	4285061853 (0xFF68DADD)
YUV	184.2560, 18.1148, -70.3845
Hunter-Lab	76.3586, -31.1507, -6.6249

Details

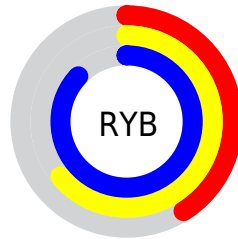
The Yxy color **58.3063, 0.2442, 0.3248** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.9078, 0.4652, 0.3329**, and the grayscale version is **48.0152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **29.2709, 0.2277, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **56.8573, 0.2362, 0.3239**, and if you desaturate by 10%, it is **60.1074, 0.2541, 0.3257**.

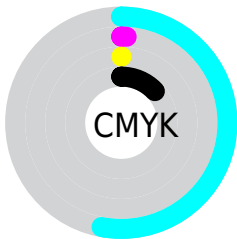
Distribution



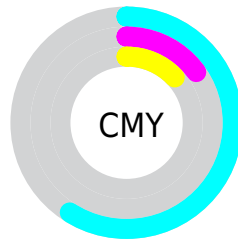
- Red (41%)
- Green (85%)
- Blue (87%)



- Red (41%)
- Yellow (64%)
- Blue (87%)



- Cyan (53%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)




- Cyan (59%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3063, 0.2442, 0.3248 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 58.3063, 0.2442, 0.3248 by changing the saturation by 10% instead.


 58.3063, 0.2442,
0.3248

 58.3063, 0.2442,
0.3248


418.3263, 0.2764,
0.3277


 42.0549, 0.2368,
0.3239

 102.3688, 0.2555,
0.3260

 29.1443, 0.2275,
0.3227


 130.9487, 0.2598,
0.3264

 19.1900, 0.2158,
0.3208

 164.4069, 0.2636,
0.3267

 11.8077, 0.2005,
0.3181

203.1278, 0.2668,
0.3270

 6.6128, 0.1796,
0.3135

247.4958, 0.2697,
0.3272

 3.2212, 0.1500,
0.3053

297.8953, 0.2722,

 1.2483, 0.0896,

0.3274

0.2933

354.7107, 0.2744,
0.3275

■ 0.1006, 0.0000,
0.1000

■ 0.0000, 0.0000,
0.0000

■ 58.3063, 0.2442,
0.3248

■ 58.3063, 0.2442,
0.3248

■ 56.8573, 0.2362,
0.3239

■ 60.1074, 0.2541,
0.3257

■ 55.7261, 0.2300,
0.3230


■ 62.2786, 0.2657,
0.3265


■ 54.8828, 0.2258,
0.3222


■ 64.8446, 0.2788,
0.3273

■ 54.2891, 0.2234,
0.3213

■ 67.8260, 0.2930,
0.3281

 53.9752, 0.2224,
0.3207

 71.2422, 0.3082,
0.3288

 75.1110, 0.3239,
0.3295

 78.7295, 0.3371,
0.3301

 79.0345, 0.3371,
0.3306

 79.3406, 0.3370,
0.3312

Harmonies

Analogous

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



58.3063, 0.2730, 0.3674



58.3063, 0.2442, 0.3248



58.3063, 0.2331, 0.2874

Triad

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



58.3063, 0.2442, 0.3248



58.3063, 0.3069, 0.2702



58.3063, 0.3878, 0.3914

Complementary

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



58.3063, 0.2442, 0.3248



26.9078, 0.4652, 0.3329

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.



58.3063, 0.3994, 0.3615



58.3063, 0.2442, 0.3248



58.3063, 0.3509, 0.2941

Square

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



58.3063, 0.2442, 0.3248



58.3063, 0.2672, 0.2594



58.3063, 0.3858, 0.3265



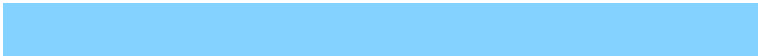
58.3063, 0.3559, 0.4068

Rectangle

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



58.3063, 0.2442, 0.3248



58.3063, 0.2364, 0.2704



58.3063, 0.3858, 0.3265



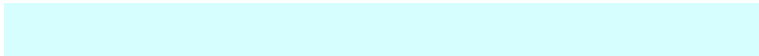
58.3063, 0.3943, 0.3825

Sweetspot

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



58.3085, 0.2442, 0.3248



92.3930, 0.2884, 0.3279



55.7148, 0.3039, 0.4953



19.5909, 0.2854, 0.3277



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.



58.3085, 0.2442, 0.3248



78.3343, 0.2351, 0.3238



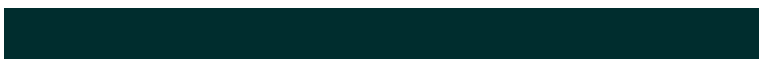
33.5124, 0.2275, 0.2425



14.7686, 0.2982, 0.3283



31.3726, 0.2225, 0.3209



2.0512, 0.2229, 0.3222

Inverse Universe

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



30.3472, 0.3217, 0.2058



35.8301, 0.3235, 0.1857



43.1019, 0.4238, 0.3998



13.2687, 0.3142, 0.3066



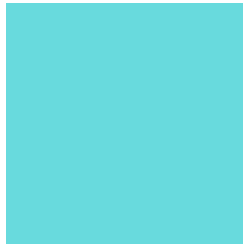
11.7908, 0.3275, 0.1578



0.7658, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 58.3063, 0.2442, 0.3248 looks on a white background.

Color Contrast Check

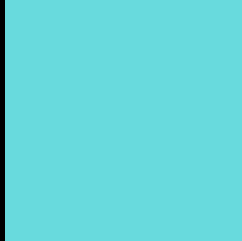
Large Text (above 18pt) WCAG AA × Fail

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 58.3063, 0.2442, 0.3248 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 58.3063, 0.2442, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 58.3063, 0.2442, 0.3248.



This preview shows how white text looks on a background with the Yxy color 58.3063, 0.2442, 0.3248.

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

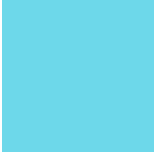
58.3063, 0.2442, 0.3248

Protanopia

57.2710, 0.3063, 0.3160

Deuteranopia

57.3400, 0.2997, 0.2925



Tritanopia

58.3035, 0.2397, 0.3057

Trichromacy



Original Color

58.3063, 0.2442, 0.3248



Protanomaly

56.4661, 0.2787, 0.3189



Deuteranomaly

56.6397, 0.2751, 0.3033



Tritanomaly

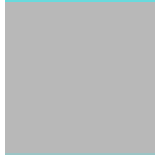
58.4087, 0.2414, 0.3133

Monochromacy



Original Color

58.3063, 0.2442, 0.3248



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.4796, 0.2812, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3063, 0.2442, 0.3248 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(104, 218, 221)` looks like.

```
.text, #text, p{  
    color:rgb(104, 218, 221)  
}
```

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(104, 218, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 218, 221) }
```

Border

The CSS property to change the border of an element to Yxy 58.3063, 0.2442, 0.3248 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(104, 218, 221) }
```

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

```
.border{ border-color:rgb(104, 218, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 218, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 218, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 218, 221);  
box-shadow:4px 4px 4px 4px rgb(104, 218,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3063, 0.2442, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 218, 221) }
```

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

```
.background{ background-color: rgb(104,  
218, 221) }
```

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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