

Converting Colors

$Yxy(54.9927, 0.2463, 0.3224)$

Have a look what the booklet for
Yxy(54.9927, 0.2463, 0.3224)
contains.

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Color

Yxy(55.2330, 0.2467, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	6CD4D8
RGB	108, 212, 216
RGB Percent	42%, 83%, 85%
CMY	0.5761, 0.1687, 0.1528
CMYK	0.50, 0.02, 0.00, 0.15
HSL	182°, 58%, 64%
HSV	182°, 50%, 85%
XYZ	42.1335, 55.2330, 73.4220
YIQ	181.3600, -63.2680, -20.8040

Conversions

Conversions Part 2

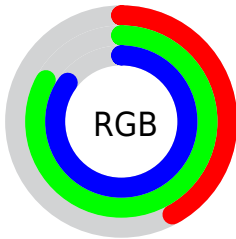
Format	Color
RYB	108, 161, 216
Decimal	7132376
CIELab	79.18, -29.00, -11.29
CIElCh	79, 31.116, 201.268
Yxy	55.2330, 0.2467, 0.3234
Android (android.graphics.Color)	4285322456 (0xFF6CD4D8)
YUV	181.3600, 17.0775, -64.3367
Hunter-Lab	74.3189, -28.8613, -6.5512

Details

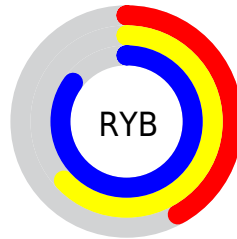
The Yxy color **55.2330, 0.2467, 0.3234** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3059, 0.4510, 0.3342**, and the grayscale version is **46.3593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **27.2007, 0.2303, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **53.6400, 0.2380, 0.3221**, and if you desaturate by 10%, it is **57.1679, 0.2573, 0.3246**.

Distribution



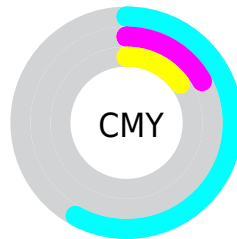
- Red (42%)
- Green (83%)
- Blue (85%)



- Red (42%)
- Yellow (63%)
- Blue (85%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)





- Cyan (58%)
- Magenta (17%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2330, 0.2467, 0.3234 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 55.2330, 0.2467, 0.3234 by changing the saturation by 10% instead.


 55.2330, 0.2467,
0.3234


 55.2330, 0.2467,
0.3234

406.7945, 0.2781,
0.3269


 39.5883, 0.2394,
0.3223


 97.8823, 0.2577,
0.3248

 27.2177, 0.2302,
0.3209


 125.6556, 0.2620,
0.3253

 17.7368, 0.2186,
0.3188


 158.2406, 0.2656,
0.3257

 10.7612, 0.2031,
0.3157

196.0217, 0.2688,
0.3260

 5.9065, 0.1820,
0.3106

239.3832, 0.2715,
0.3263

 2.7883, 0.1515,
0.3012

288.7096, 0.2740,

 1.0222, 0.0735,

0.3265

0.2915

344.3853, 0.2761,
0.3267

0.0000, 0.0000,
0.0000

55.2330, 0.2467,
0.3234

55.2330, 0.2467,
0.3234

53.6400, 0.2380,
0.3221

57.1679, 0.2573,
0.3246

52.3573, 0.2311,
0.3209

59.4610, 0.2694,
0.3258

51.3582, 0.2262,
0.3196

62.1351, 0.2829,
0.3270


50.6085, 0.2231,
0.3184

65.2093, 0.2975,
0.3280

50.0472, 0.2214,
0.3172

68.7014, 0.3128,
0.3290

 50.0450, 0.2214,
0.3172

 72.6282, 0.3286,
0.3299

 76.1774, 0.3413,
0.3307

 76.5965, 0.3412,
0.3315

 77.0176, 0.3411,
0.3323

Harmonies

Analogous

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



55.2330, 0.2736, 0.3637



55.2330, 0.2467, 0.3234



55.2330, 0.2368, 0.2883

Triad

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



55.2330, 0.2467, 0.3234



55.2330, 0.3091, 0.2737



55.2330, 0.3831, 0.3894

Complementary

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



55.2330, 0.2467, 0.3234



27.3059, 0.4510, 0.3342

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.



55.2330, 0.3949, 0.3615



55.2330, 0.2467, 0.3234



55.2330, 0.3507, 0.2971

Square

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



55.2330, 0.2467, 0.3234



55.2330, 0.2710, 0.2628



55.2330, 0.3830, 0.3283



55.2330, 0.3522, 0.4029

Rectangle

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



55.2330, 0.2467, 0.3234



55.2330, 0.2405, 0.2725



55.2330, 0.3830, 0.3283



55.2330, 0.3895, 0.3813

Sweetspot

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



55.2351, 0.2467, 0.3234



92.5442, 0.2898, 0.3275



53.4820, 0.3035, 0.4821



19.6078, 0.2867, 0.3273



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.



55.2351, 0.2467, 0.3234



77.9686, 0.2375, 0.3221



32.7662, 0.2317, 0.2457



14.0245, 0.2983, 0.3281



29.6509, 0.2215, 0.3174



1.8138, 0.2221, 0.3195

Inverse Universe

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



30.1019, 0.3224, 0.2129



37.6197, 0.3245, 0.1934



42.8365, 0.4147, 0.3982



12.6243, 0.3144, 0.3069



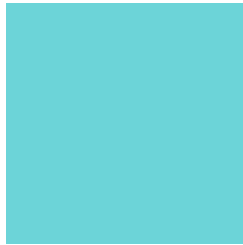
11.3381, 0.3304, 0.1594



0.6864, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 55.2330, 0.2467, 0.3234 looks on a white background.

Color Contrast Check

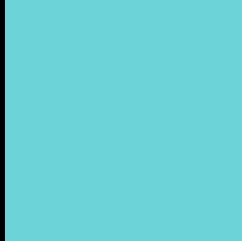
Large Text (above 18pt) WCAG AA × Fail

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 55.2330, 0.2467, 0.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

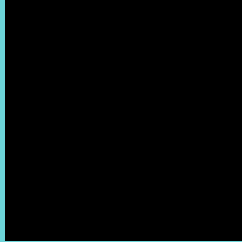
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.2330, 0.2467, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 55.2330, 0.2467, 0.3234.



This preview shows how white text looks on a background with the Yxy color 55.2330, 0.2467, 0.3234.

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

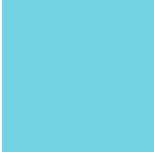
55.2330, 0.2467, 0.3234

Protanopia

54.5935, 0.3054, 0.3157

Deuteranopia

54.6039, 0.2994, 0.2929



Tritanopia

55.0840, 0.2426, 0.3066

Trichromacy



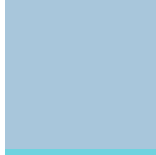
Original Color

55.2330, 0.2467, 0.3234



Protanomaly

54.1633, 0.2795, 0.3187



Deuteranomaly

53.8275, 0.2764, 0.3028



Tritanomaly

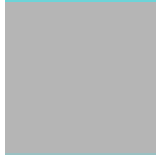
55.2958, 0.2443, 0.3130

Monochromacy



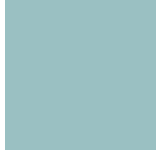
Original Color

55.2330, 0.2467, 0.3234



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.4643, 0.2821, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2330, 0.2467, 0.3234 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(108, 212, 216)` looks like.

```
.text, #text, p{  
    color:rgb(108, 212, 216)  
}
```

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(108, 212, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 212, 216) }
```

Border

The CSS property to change the border of an element to Yxy 55.2330, 0.2467, 0.3234 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(108, 212, 216) }
```

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

```
.border{ border-color:rgb(108, 212, 216) }
```

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

Here you see how a box with a 4 pixel rgb(108, 212, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 212, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 212, 216);  
box-shadow:4px 4px 4px 4px rgb(108, 212,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2330, 0.2467, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 212, 216) }
```

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

```
.background{ background-color: rgb(108,  
212, 216) }
```

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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