

Converting Colors

$Y_{xy}(55.8268, 0.2442, 0.3249)$

Have a look what the booklet for
Yxy(55.8268, 0.2442, 0.3249)
contains.

Yxy(55.9277, 0.2442, 0.3248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.9277, 0.2442, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	66D6D9
RGB	102, 214, 217
RGB Percent	40%, 84%, 85%
CMY	0.6000, 0.1608, 0.1491
CMYK	0.53, 0.01, 0.00, 0.15
HSL	182°, 60%, 63%
HSV	182°, 53%, 85%
XYZ	42.0491, 55.9277, 74.2144
YIQ	180.8540, -67.7150, -22.8110

Conversions

Conversions Part 2

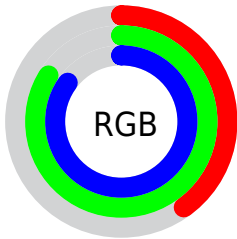
Format	Color
RYB	102, 159, 217
Decimal	6739673
CIELab	79.57, -30.96, -11.23
CIElCh	80, 32.938, 199.935
Yxy	55.9277, 0.2442, 0.3248
Android (android.graphics.Color)	4284929753 (0xFF66D6D9)
YUV	180.8540, 17.8200, -69.1550
Hunter-Lab	74.7848, -30.5087, -6.4884

Details

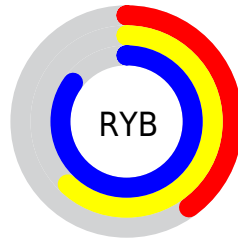
The Yxy color **55.9277, 0.2442, 0.3248** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.8101, 0.4652, 0.3329**, and the grayscale version is **46.0564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **27.6962, 0.2274, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **54.5392, 0.2362, 0.3239**, and if you desaturate by 10%, it is **57.6532, 0.2541, 0.3257**.

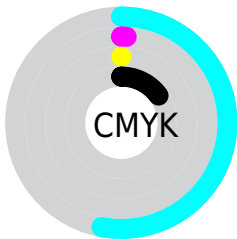
Distribution



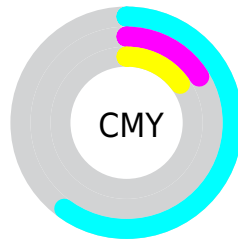
- Red (40%)
- Green (84%)
- Blue (85%)



- Red (40%)
- Yellow (62%)
- Blue (85%)



- Cyan (53%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)



- Cyan (60%)
- Magenta (16%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9277, 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 55.9277, 0.2442, 0.3248 by changing the saturation by 10% instead.


 55.9277, 0.2442,
0.3248


 55.9277, 0.2442,
0.3248


409.4190, 0.2767,
0.3277


 40.1450, 0.2366,
0.3239


 98.8989, 0.2556,
0.3260

 27.6516, 0.2272,
0.3226


 126.8561, 0.2600,
0.3264

 18.0632, 0.2152,
0.3208


 159.6402, 0.2637,
0.3267

 10.9954, 0.1995,
0.3179

 197.6357, 0.2670,
0.3270

 6.0637, 0.1779,
0.3131

241.2269, 0.2699,
0.3272

 2.8839, 0.1470,
0.3043

290.7983, 0.2724,

 1.0714, 0.0693,

0.3274

0.2954

346.7342, 0.2746,
0.3275

0.0000, 0.0000,
0.0000

55.9277, 0.2442,
0.3248

55.9277, 0.2442,
0.3248

54.5392, 0.2362,
0.3239

57.6532, 0.2541,
0.3257

53.4548, 0.2301,
0.3230

59.7329, 0.2657,
0.3265

52.6462, 0.2259,
0.3222

62.1904, 0.2787,
0.3273

52.0764, 0.2234,
0.3213

65.0454, 0.2930,
0.3281

51.7764, 0.2224,
0.3208

68.3165, 0.3081,
0.3288

■ 72.0207, 0.3238,
0.3295

■ 76.1744, 0.3398,
0.3301

■ 76.6750, 0.3405,
0.3306

■ 76.9682, 0.3404,
0.3312

Harmonies

Analogous

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



55.9277, 0.2730, 0.3674



55.9277, 0.2442, 0.3248



55.9277, 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.



55.9277, 0.2442, 0.3248



55.9277, 0.3069, 0.2702



55.9277, 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.



55.9277, 0.2442, 0.3248



25.8101, 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.



55.9277, 0.3994, 0.3615



55.9277, 0.2442, 0.3248



55.9277, 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.



55.9277, 0.2442, 0.3248



55.9277, 0.2672, 0.2594



55.9277, 0.3858, 0.3265



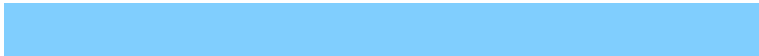
55.9277, 0.3559, 0.4068

Rectangle

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



55.9277, 0.2442, 0.3248



55.9277, 0.2364, 0.2704



55.9277, 0.3858, 0.3265



55.9277, 0.3943, 0.3825

Sweetspot

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



55.9298, 0.2442, 0.3248



92.3930, 0.2884, 0.3279



53.4419, 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.



55.9298, 0.2442, 0.3248



78.3343, 0.2351, 0.3238



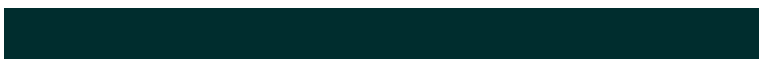
32.1452, 0.2275, 0.2425



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.



29.1092, 0.3217, 0.2058



35.8301, 0.3235, 0.1857



41.3436, 0.4238, 0.3998



13.2687, 0.3142, 0.3066



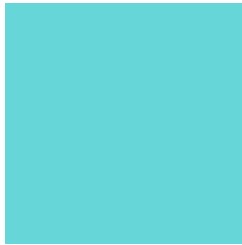
11.7908, 0.3275, 0.1578



0.7658, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 55.9277, 0.2442, 0.3248 looks on a white background.

Color Contrast Check

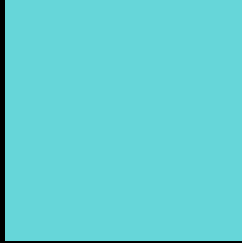
Large Text (above 18pt) WCAG AA × Fail

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 55.9277, 0.2442, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

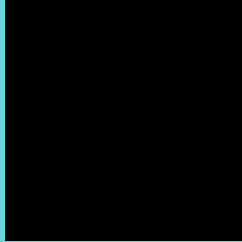
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9277, 0.2442, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 55.9277, 0.2442, 0.3248.

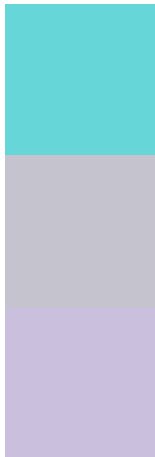


This preview shows how white text looks on a background with the Yxy color 55.9277, 0.2442, 0.3248.

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

55.9277, 0.2442, 0.3248

Protanopia

55.3083, 0.3070, 0.3170

Deuteranopia

55.2320, 0.2995, 0.2931



Tritanopia

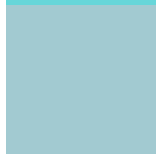
55.8083, 0.2397, 0.3066

Trichromacy



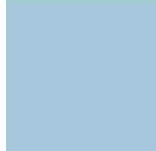
Original Color

55.9277, 0.2442, 0.3248



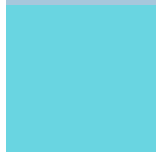
Protanomaly

54.5259, 0.2789, 0.3200



Deuteranomaly

54.1211, 0.2745, 0.3028



Tritanomaly

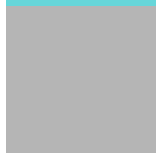
56.0280, 0.2414, 0.3130

Monochromacy



Original Color

55.9277, 0.2442, 0.3248



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.7104, 0.2808, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9277, 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(102, 214, 217)` looks like.

```
.text, #text, p{  
    color:rgb(102, 214, 217)  
}
```

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(102, 214, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 214, 217) }
```

Border

The CSS property to change the border of an element to Yxy 55.9277, 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(102, 214, 217) }
```

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

```
.border{ border-color:rgb(102, 214, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 214, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 214, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 214, 217);  
box-shadow:4px 4px 4px 4px rgb(102, 214,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9277, 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(102, 214, 217) }
```

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

```
.background{ background-color: rgb(102,  
214, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor