

Converting Colors

$Yxy(55.0773, 0.2466, 0.3176)$

Have a look what the booklet for
Yxy(55.0773, 0.2466, 0.3176)
contains.

Yxy(55.1477, 0.2467, 0.3182)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.1477, 0.2467, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	70D3DB
RGB	112, 211, 219
RGB Percent	44%, 83%, 86%
CMY	0.5610, 0.1725, 0.1412
CMYK	0.49, 0.04, 0.00, 0.14
HSL	184°, 60%, 65%
HSV	184°, 49%, 86%
XYZ	42.7559, 55.1477, 75.4078
YIQ	182.3110, -61.5720, -18.5000

Conversions

Conversions Part 2

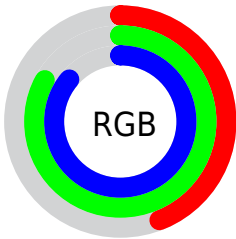
Format	Color
R _{YB}	112, 163, 219
Decimal	7394267
CIE Lab	79.13, -26.92, -12.94
CIE LCh	79, 29.866, 205.672
Yxy	55.1477, 0.2467, 0.3182
Android (android.graphics.Color)	4285584347 (0xFF70D3DB)
YUV	182.3110, 18.0877, -61.6627
Hunter-Lab	74.2615, -27.1865, -8.2222

Details

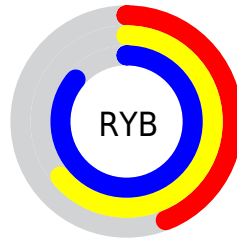
The Yxy color **55.1477, 0.2467, 0.3182** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6432, 0.4441, 0.3389**, and the grayscale version is **46.8749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **27.1102, 0.2301, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **53.0770, 0.2373, 0.3157**, and if you desaturate by 10%, it is **57.5802, 0.2578, 0.3207**.

Distribution



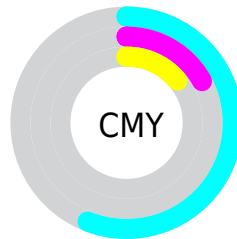
- Red (44%)
- Green (83%)
- Blue (86%)



- Red (44%)
- Yellow (64%)
- Blue (86%)



- Cyan (49%)
- Magenta (4%)
- Yellow (0%)
- Black (14%)




- Cyan (56%)
- Magenta (17%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1477, 0.2467, 0.3182 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 55.1477, 0.2467, 0.3182 by changing the saturation by 10% instead.


 55.1477, 0.2467,
0.3182


 55.1477, 0.2467,
0.3182


406.4716, 0.2780,
0.3242

 39.5200, 0.2394,
0.3165

 97.7573, 0.2577,
0.3205

 27.1645, 0.2303,
0.3143

 125.5080, 0.2619,
0.3214

 17.6968, 0.2186,
0.3113

 158.0685, 0.2656,
0.3220

 10.7325, 0.2033,
0.3068

195.8232, 0.2687,
0.3226

 5.8873, 0.1823,
0.2998

239.1564, 0.2715,
0.3231

 2.7767, 0.1520,
0.2878

288.4526, 0.2739,

 1.0163, 0.0810,

0.3235

0.2715

344.0962, 0.2761,
0.3239

0.0000, 0.0000,
0.0000

55.1477, 0.2467,
0.3182

55.1477, 0.2467,
0.3182

53.0770, 0.2373,
0.3157

57.5802, 0.2578,
0.3207

51.3358, 0.2298,
0.3131

60.3912, 0.2704,
0.3230

49.8969, 0.2242,
0.3106

63.6042, 0.2843,
0.3252

48.7258, 0.2205,
0.3080

67.2387, 0.2991,
0.3273

47.7681, 0.2183,
0.3055


71.3131, 0.3145,
0.3292

 47.6667, 0.2181,
0.3053

 75.8446, 0.3302,
0.3309

 78.8560, 0.3385,
0.3325

 79.7304, 0.3383,
0.3342

 80.6133, 0.3380,
0.3358

Harmonies

Analogous

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



55.1477, 0.2705, 0.3568



55.1477, 0.2467, 0.3182



55.1477, 0.2397, 0.2861

Triad

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



55.1477, 0.2467, 0.3182



55.1477, 0.3153, 0.2784



55.1477, 0.3770, 0.3901

Complementary

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



55.1477, 0.2467, 0.3182



29.6432, 0.4441, 0.3389

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.



55.1477, 0.3914, 0.3649



55.1477, 0.2467, 0.3182



55.1477, 0.3547, 0.3024

Square

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



55.1477, 0.2467, 0.3182



55.1477, 0.2774, 0.2659



55.1477, 0.3833, 0.3332



55.1477, 0.3454, 0.4001

Rectangle

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



55.1477, 0.2467, 0.3182



55.1477, 0.2450, 0.2723



55.1477, 0.3833, 0.3332



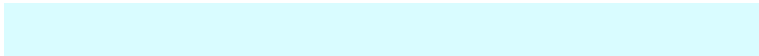
55.1477, 0.3841, 0.3830

Sweetspot

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



55.1498, 0.2467, 0.3182



91.6462, 0.2897, 0.3260



55.4372, 0.3018, 0.4735



19.3890, 0.2866, 0.3256



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.



55.1498, 0.2467, 0.3182



74.7626, 0.2368, 0.3155



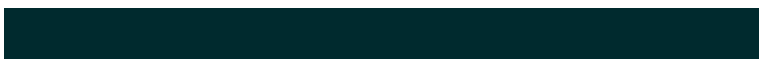
33.1218, 0.2324, 0.2425



14.6546, 0.2982, 0.3272



28.3353, 0.2182, 0.3056



1.8863, 0.2194, 0.3097

Inverse Universe

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



31.3382, 0.3263, 0.2187



37.7898, 0.3296, 0.1992



45.9647, 0.4099, 0.4008



13.2572, 0.3149, 0.3077



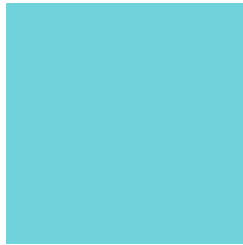
11.4842, 0.3405, 0.1649



0.7491, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 55.1477, 0.2467, 0.3182 looks on a white background.

Color Contrast Check

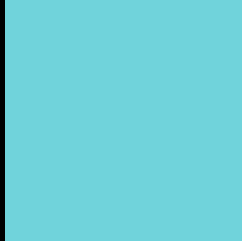
Large Text (above 18pt) WCAG AA × Fail

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 55.1477, 0.2467, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

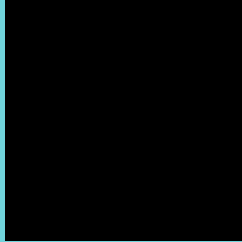
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1477, 0.2467, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 55.1477, 0.2467, 0.3182.

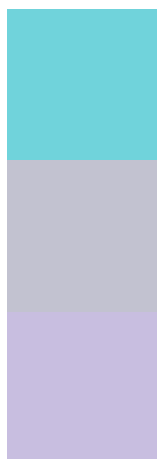


This preview shows how white text looks on a background with the Yxy color 55.1477, 0.2467, 0.3182.

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

55.1477, 0.2467, 0.3182

Protanopia

54.6070, 0.3025, 0.3121

Deuteranopia

54.4881, 0.2958, 0.2894



Tritanopia

55.2166, 0.2435, 0.3066

Trichromacy



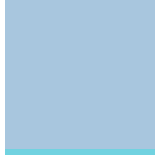
Original Color

55.1477, 0.2467, 0.3182



Protanomaly

53.9545, 0.2782, 0.3137



Deuteranomaly

53.9869, 0.2745, 0.2992



Tritanomaly

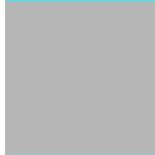
54.9857, 0.2445, 0.3104

Monochromacy



Original Color

55.1477, 0.2467, 0.3182



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.2482, 0.2837, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1477, 0.2467, 0.3182 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(112, 211, 219)` looks like.

```
.text, #text, p{  
    color:rgb(112, 211, 219)  
}
```

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(112, 211, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 211, 219) }
```

Border

The CSS property to change the border of an element to Yxy 55.1477, 0.2467, 0.3182 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(112, 211, 219) }
```

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

```
.border{ border-color:rgb(112, 211, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 211, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 211, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 211, 219);  
box-shadow:4px 4px 4px 4px rgb(112, 211,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1477, 0.2467, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 211, 219) }
```

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

```
.background{ background-color: rgb(112,  
211, 219) }
```

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