

Converting Colors

$Y_{xy}(55.1400, 0.2460, 0.3054)$

Have a look what the booklet for
Yxy(55.1400, 0.2460, 0.3054)
contains.

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Color

Yxy(55.1400, 0.2460, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	78D1E3
RGB	120, 209, 227
RGB Percent	47%, 82%, 89%
CMY	0.5294, 0.1804, 0.1097
CMYK	0.47, 0.08, 0.00, 0.11
HSL	190°, 66%, 68%
HSV	190°, 47%, 89%
XYZ	44.4153, 55.1400, 80.9948
YIQ	184.4410, -58.8220, -13.2700

Conversions

Conversions Part 2

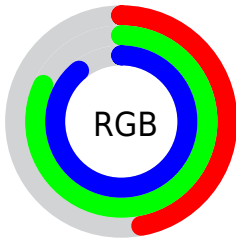
Format	Color
RYB	120, 169, 227
Decimal	7918051
CIELab	79.12, -22.01, -17.21
CIELCh	79, 27.937, 218.033
Yxy	55.1400, 0.2460, 0.3054
Android (android.graphics.Color)	4286108131 (0xFF78D1E3)
YUV	184.4410, 20.9816, -56.5148
Hunter-Lab	74.2563, -23.1814, -12.6909

Details

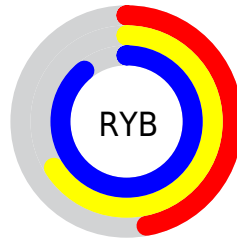
The Yxy color **55.1400, 0.2460, 0.3054** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.8817, 0.4313, 0.3503**, and the grayscale version is **48.0989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **27.0504, 0.2291, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **51.8521, 0.2351, 0.2995**, and if you desaturate by 10%, it is **58.8620, 0.2584, 0.3110**.

Distribution



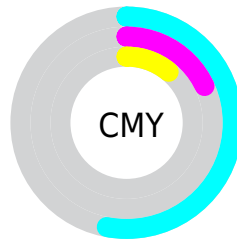
- Red (47%)
- Green (82%)
- Blue (89%)



- Red (47%)
- Yellow (66%)
- Blue (89%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (53%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1400, 0.2460, 0.3054 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 55.1400, 0.2460, 0.3054 by changing the saturation by 10% instead.

■ 55.1400, 0.2460,
0.3054

■ 55.1400, 0.2460,
0.3054

■ 406.4424, 0.2776,
0.3176

■ 39.5138, 0.2387,
0.3023

■ 97.7460, 0.2571,
0.3099

■ 27.1597, 0.2295,
0.2983

■ 125.4947, 0.2613,
0.3116

■ 17.6932, 0.2179,
0.2929

■ 158.0530, 0.2650,
0.3130

■ 10.7299, 0.2026,
0.2854

■ 195.8053, 0.2682,
0.3142

■ 5.8855, 0.1818,
0.2743

■ 239.1360, 0.2710,
0.3152

■ 2.7756, 0.1522,
0.2564

■ 288.4294, 0.2734,

■ 1.0157, 0.0948,

0.3161

0.2279

344.0701, 0.2756,
0.3169

0.0000, 0.0000,
0.0000

55.1400, 0.2460,
0.3054

55.1400, 0.2460,
0.3054

51.8521, 0.2351,
0.2995

58.8620, 0.2584,
0.3110

48.9639, 0.2260,
0.2935

63.0370, 0.2720,
0.3164

46.4461, 0.2188,
0.2874

67.6901, 0.2866,
0.3214

44.2615, 0.2136,
0.2813

72.8429, 0.3017,
0.3260

42.3619, 0.2102,
0.2753

78.5153, 0.3172,
0.3302

■ 41.8477, 0.2093,
0.2736

■ 84.4919, 0.3318,
0.3339

■ 86.6682, 0.3313,
0.3377

■ 88.8917, 0.3309,
0.3414

■ 91.1626, 0.3305,
0.3451

Harmonies

Analogous

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



55.1400, 0.2622, 0.3402



55.1400, 0.2460, 0.3054



55.1400, 0.2464, 0.2801

Triad

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



55.1400, 0.2460, 0.3054



55.1400, 0.3308, 0.2896



55.1400, 0.3623, 0.3923

Complementary

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



55.1400, 0.2460, 0.3054



35.8817, 0.4313, 0.3503

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.



55.1400, 0.3832, 0.3738



55.1400, 0.2460, 0.3054



55.1400, 0.3648, 0.3156

Square

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



55.1400, 0.2460, 0.3054



55.1400, 0.2935, 0.2729



55.1400, 0.3844, 0.3457



55.1400, 0.3287, 0.3933

Rectangle

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



55.1400, 0.2460, 0.3054



55.1400, 0.2559, 0.2711



55.1400, 0.3844, 0.3457



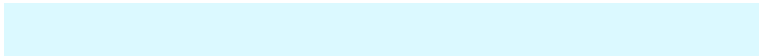
55.1400, 0.3711, 0.3877

Sweetspot

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



55.1421, 0.2460, 0.3054



90.0689, 0.2911, 0.3228



60.7785, 0.2966, 0.4529



18.9761, 0.2879, 0.3218



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.



55.1421, 0.2460, 0.3054



67.3913, 0.2349, 0.2994



33.2135, 0.2323, 0.2306



15.9013, 0.2981, 0.3249



24.5483, 0.2096, 0.2745



1.9240, 0.2120, 0.2833

Inverse Universe

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



34.3754, 0.3359, 0.2313



38.0784, 0.3423, 0.2132



55.1096, 0.4000, 0.4098



14.5713, 0.3164, 0.3097



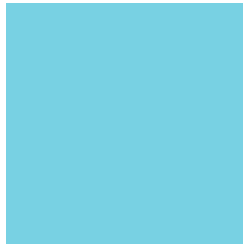
11.6759, 0.3686, 0.1804



0.8739, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 55.1400, 0.2460, 0.3054 looks on a white background.

Color Contrast Check

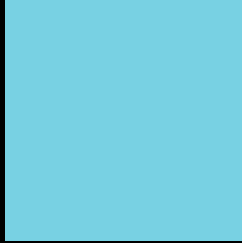
Large Text (above 18pt) WCAG AA × Fail

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 55.1400, 0.2460, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

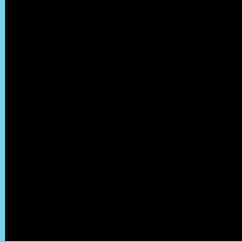
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1400, 0.2460, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 55.1400, 0.2460, 0.3054.



This preview shows how white text looks on a background with the Yxy color 55.1400, 0.2460, 0.3054.

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

55.1400, 0.2460, 0.3054

Protanopia

54.3562, 0.2946, 0.3003

Deuteranopia

54.3322, 0.2880, 0.2814



Tritanopia

55.0850, 0.2465, 0.3067

Trichromacy



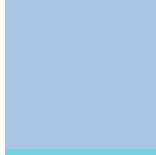
Original Color

55.1400, 0.2460, 0.3054



Protanomaly

54.1743, 0.2739, 0.3016



Deuteranomaly

53.9705, 0.2695, 0.2886



Tritanomaly

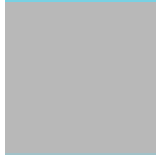
55.0850, 0.2465, 0.3067

Monochromacy



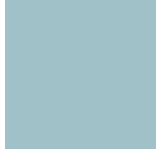
Original Color

55.1400, 0.2460, 0.3054



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

49.8871, 0.2832, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1400, 0.2460, 0.3054 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(120, 209, 227)` looks like.

```
.text, #text, p{  
    color:rgb(120, 209, 227)  
}
```

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(120, 209, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 209, 227) }
```

Border

The CSS property to change the border of an element to Yxy 55.1400, 0.2460, 0.3054 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(120, 209, 227) }
```

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

```
.border{ border-color:rgb(120, 209, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 209, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 209, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 209, 227); box-shadow:4px 4px 4px 4px rgb(120, 209, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1400, 0.2460, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 209, 227) }
```

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

```
.background{ background-color: rgb(120,  
209, 227) }
```

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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