

Converting Colors

$Y_{xy}(55.2978, 0.2544, 0.3085)$

Have a look what the booklet for
Yxy(55.2978, 0.2544, 0.3085)
contains.

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Color

Yxy(55.5078, 0.2549, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	86D0DF
RGB	134, 208, 223
RGB Percent	53%, 82%, 87%
CMY	0.4742, 0.1843, 0.1254
CMYK	0.40, 0.07, 0.00, 0.13
HSL	190°, 58%, 70%
HSV	190°, 40%, 87%
XYZ	45.7155, 55.5078, 78.1234
YIQ	187.5840, -48.9190, -11.0230

Conversions

Conversions Part 2

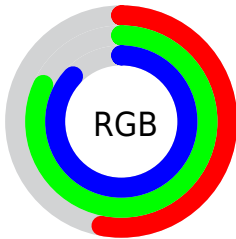
Format	Color
RYB	134, 174, 223
Decimal	8835295
CIELab	79.33, -19.17, -14.68
CIElCh	79, 24.142, 217.454
Yxy	55.5078, 0.2549, 0.3095
Android (android.graphics.Color)	4287025375 (0xFF86D0DF)
YUV	187.5840, 17.4601, -46.9932
Hunter-Lab	74.5036, -20.8534, -10.0182

Details

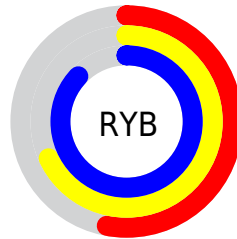
The Yxy color **55.5078, 0.2549, 0.3095** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.9359, 0.4058, 0.3472**, and the grayscale version is **49.9708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **27.2293, 0.2400, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **52.0509, 0.2429, 0.3038**, and if you desaturate by 10%, it is **59.3991, 0.2682, 0.3149**.

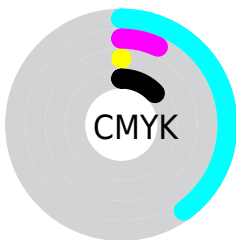
Distribution



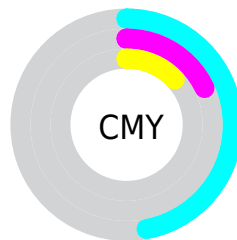
- Red (53%)
- Green (82%)
- Blue (87%)



- Red (53%)
- Yellow (68%)
- Blue (87%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)




- Cyan (47%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5078, 0.2549, 0.3095 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 55.5078, 0.2549, 0.3095 by changing the saturation by 10% instead.


 55.5078, 0.2549,
0.3095

 55.5078, 0.2549,
0.3095

407.8339, 0.2824,
0.3195

 39.8084, 0.2485,
0.3069

 98.2846, 0.2646,
0.3132

 27.3892, 0.2405,
0.3036


 126.1307, 0.2683,
0.3146

 17.8657, 0.2302,
0.2992


 158.7947, 0.2715,
0.3157

 10.8536, 0.2167,
0.2931

196.6607, 0.2742,
0.3167

 5.9685, 0.1980,
0.2839

240.1132, 0.2766,
0.3176

 2.8259, 0.1709,
0.2691

289.5367, 0.2788,

 1.0415, 0.1207,

0.3183

0.2444

345.3155, 0.2807,
0.3190

■ 0.0000, 0.0000,
0.0000

■ 55.5078, 0.2549,
0.3095

■ 55.5078, 0.2549,
0.3095

■ 52.0509, 0.2429,
0.3038

■ 59.3991, 0.2682,
0.3149

■ 48.9971, 0.2325,
0.2978

■ 63.7408, 0.2825,
0.3200

■ 46.3210, 0.2239,
0.2918

■ 68.5562, 0.2975,
0.3247

■ 43.9911, 0.2172,
0.2857

■ 73.8647, 0.3129,
0.3290

■ 41.9702, 0.2125,
0.2796

■ 79.6848, 0.3284,
0.3329

■ 40.1938, 0.2094,
0.2736

■ 83.5093, 0.3346,
0.3366

■ 40.1734, 0.2093,
0.2735

■ 85.6353, 0.3341,
0.3403

■ 87.8068, 0.3337,
0.3440

■ 90.0242, 0.3332,
0.3476

Harmonies

Analogous

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



55.5078, 0.2695, 0.3394



55.5078, 0.2549, 0.3095



55.5078, 0.2549, 0.2872

Triad

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



55.5078, 0.2549, 0.3095



55.5078, 0.3279, 0.2944



55.5078, 0.3562, 0.3834

Complementary

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



55.5078, 0.2549, 0.3095



38.9359, 0.4058, 0.3472

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.



55.5078, 0.3737, 0.3677



55.5078, 0.2549, 0.3095



55.5078, 0.3571, 0.3170

Square

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



55.5078, 0.2549, 0.3095



55.5078, 0.2957, 0.2800



55.5078, 0.3742, 0.3434



55.5078, 0.3274, 0.3842

Rectangle

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



55.5078, 0.2549, 0.3095



55.5078, 0.2631, 0.2789



55.5078, 0.3742, 0.3434



55.5078, 0.3636, 0.3796

Sweetspot

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



55.5100, 0.2549, 0.3095



91.3985, 0.2942, 0.3237



60.0218, 0.2987, 0.4304



19.3753, 0.2922, 0.3231



0.0000, 0.0000, 0.0000



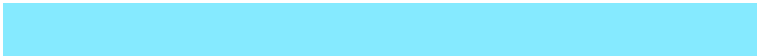
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.5100, 0.2549, 0.3095



71.2080, 0.2446, 0.3047



36.8520, 0.2454, 0.2486



15.1577, 0.2982, 0.3249



23.7637, 0.2096, 0.2744



1.7529, 0.2122, 0.2837

Inverse Universe

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



37.3128, 0.3315, 0.2457



43.8853, 0.3366, 0.2291



55.7139, 0.3847, 0.3977



13.8938, 0.3163, 0.3097



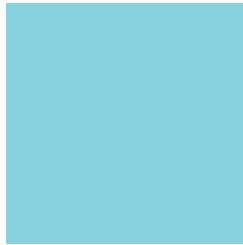
11.3070, 0.3686, 0.1804



0.7944, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 55.5078, 0.2549, 0.3095 looks on a white background.

Color Contrast Check

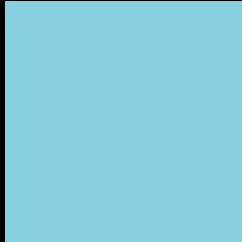
Large Text (above 18pt) WCAG AA × Fail

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 55.5078, 0.2549, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

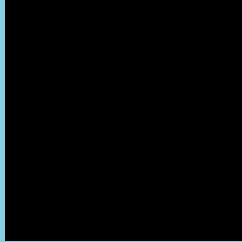
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.5078, 0.2549, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 55.5078, 0.2549, 0.3095.



This preview shows how white text looks on a background with the Yxy color 55.5078, 0.2549, 0.3095.

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

55.5078, 0.2549, 0.3095

Protanopia

54.9079, 0.2983, 0.3051

Deuteranopia

55.0870, 0.2937, 0.2873



Tritanopia

55.5619, 0.2543, 0.3083

Trichromacy



Original Color

55.5078, 0.2549, 0.3095

Protanomaly

54.6273, 0.2805, 0.3066

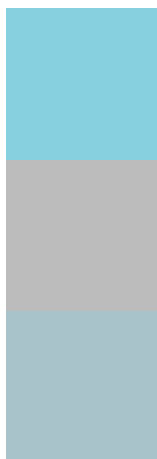
Deuteranomaly

54.6536, 0.2774, 0.2938

Tritanomaly

55.5619, 0.2543, 0.3083

Monochromacy



Original Color

55.5078, 0.2549, 0.3095

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.5721, 0.2878, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5078, 0.2549, 0.3095 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(134, 208, 223)` looks like.

```
.text, #text, p{  
    color:rgb(134, 208, 223)  
}
```

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(134, 208, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 208, 223) }
```

Border

The CSS property to change the border of an element to Yxy 55.5078, 0.2549, 0.3095 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(134, 208, 223) }
```

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

```
.border{ border-color:rgb(134, 208, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 208, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 208, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 208, 223);  
box-shadow:4px 4px 4px 4px rgb(134, 208,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5078, 0.2549, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 208, 223) }
```

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

```
.background{ background-color: rgb(134,  
208, 223) }
```

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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