

Converting Colors

$Y_{xy}(55.3258, 0.2558, 0.3071)$

Have a look what the booklet for
Yxy(55.3258, 0.2558, 0.3071)
contains.

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Color

Yxy(55.3258, 0.2558, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	89CFE0
RGB	137, 207, 224
RGB Percent	54%, 81%, 88%
CMY	0.4626, 0.1882, 0.1217
CMYK	0.39, 0.08, 0.00, 0.12
HSL	192°, 58%, 71%
HSV	192°, 39%, 88%
XYZ	46.0838, 55.3258, 78.7460
YIQ	188.0080, -47.1770, -9.5530

Conversions

Conversions Part 2

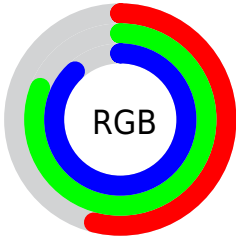
Format	Color
RYB	137, 176, 224
Decimal	9031648
CIELab	79.23, -17.67, -15.34
CIELCh	79, 23.394, 220.960
Yxy	55.3258, 0.2558, 0.3071
Android (android.graphics.Color)	4287221728 (0xFF89CFE0)
YUV	188.0080, 17.7441, -44.7340
Hunter-Lab	74.3813, -19.5755, -10.7022

Details

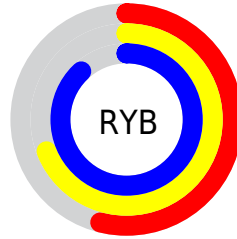
The Yxy color **55.3258, 0.2558, 0.3071** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7598, 0.4012, 0.3494**, and the grayscale version is **50.2158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **27.4409, 0.2417, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **51.5384, 0.2434, 0.3005**, and if you desaturate by 10%, it is **59.5690, 0.2695, 0.3134**.

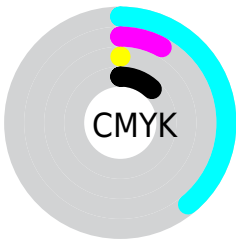
Distribution



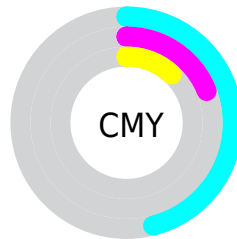
- Red (54%)
- Green (81%)
- Blue (88%)



- Red (54%)
- Yellow (69%)
- Blue (88%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (46%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3258, 0.2558, 0.3071 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 55.3258, 0.2558, 0.3071 by changing the saturation by 10% instead.


 55.3258, 0.2558,
0.3071


 55.3258, 0.2558,
0.3071


407.1457, 0.2829,
0.3183

 39.6626, 0.2495,
0.3043

 98.0181, 0.2653,
0.3112

 27.2756, 0.2416,
0.3007


 125.8161, 0.2690,
0.3127

 17.7803, 0.2315,
0.2959


 158.4278, 0.2721,
0.3140

 10.7924, 0.2181,
0.2892

196.2376, 0.2748,
0.3151

 5.9274, 0.1996,
0.2793

239.6299, 0.2772,
0.3160

 2.8010, 0.1728,
0.2635

288.9891, 0.2793,

 1.0287, 0.1244,

0.3169

0.2370

344.6996, 0.2812,
0.3176

■ 0.0000, 0.0000,
0.0000

■ 55.3258, 0.2558,
0.3071

■ 55.3258, 0.2558,
0.3071

■ 51.5384, 0.2434,
0.3005

■ 59.5690, 0.2695,
0.3134

■ 48.1754, 0.2324,
0.2936

■ 64.2844, 0.2840,
0.3192

■ 45.2112, 0.2233,
0.2865

■ 69.4952, 0.2991,
0.3246

■ 42.6144, 0.2160,
0.2793

■ 75.2213, 0.3145,
0.3296

■ 40.3478, 0.2107,
0.2722

■ 81.4813, 0.3300,
0.3340

■ 38.3551, 0.2072,
0.2652

■ 85.0454, 0.3337,
0.3382

■ 38.1279, 0.2068,
0.2643

■ 87.5539, 0.3331,
0.3425

■ 90.1242, 0.3326,
0.3468

■ 92.7566, 0.3320,
0.3510

Harmonies

Analogous

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



55.3258, 0.2684, 0.3356



55.3258, 0.2558, 0.3071



55.3258, 0.2575, 0.2866

Triad

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



55.3258, 0.2558, 0.3071



55.3258, 0.3311, 0.2976



55.3258, 0.3521, 0.3827

Complementary

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



55.3258, 0.2558, 0.3071



40.7598, 0.4012, 0.3494

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.



55.3258, 0.3707, 0.3690



55.3258, 0.2558, 0.3071



55.3258, 0.3585, 0.3203

Square

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



55.3258, 0.2558, 0.3071



55.3258, 0.2997, 0.2824



55.3258, 0.3732, 0.3460



55.3258, 0.3234, 0.3814

Rectangle

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



55.3258, 0.2558, 0.3071



55.3258, 0.2665, 0.2796



55.3258, 0.3732, 0.3460



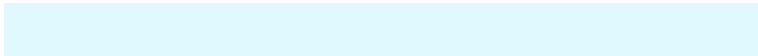
55.3258, 0.3598, 0.3796

Sweetspot

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



55.3280, 0.2558, 0.3071



90.9004, 0.2941, 0.3229



60.9134, 0.2982, 0.4252



19.2575, 0.2921, 0.3222



0.0000, 0.0000, 0.0000



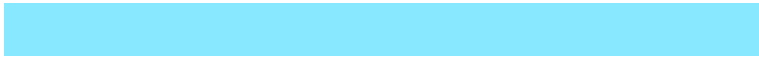
21.4041, 0.3127, 0.3290

Same Dimension

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



55.3280, 0.2558, 0.3071



69.8785, 0.2451, 0.3015



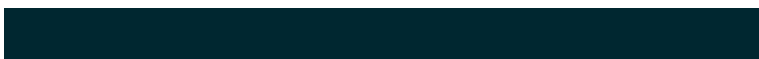
37.4542, 0.2470, 0.2491



15.0940, 0.2982, 0.3243



22.3642, 0.2071, 0.2654



1.6679, 0.2101, 0.2763

Inverse Universe

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



38.2482, 0.3331, 0.2501



44.4340, 0.3389, 0.2337



57.3267, 0.3819, 0.3974



13.8874, 0.3167, 0.3103



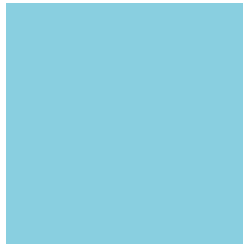
11.1657, 0.3772, 0.1851



0.7858, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 55.3258, 0.2558, 0.3071 looks on a white background.

Color Contrast Check

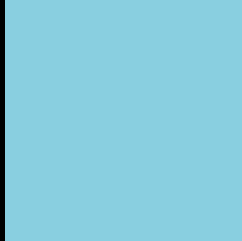
Large Text (above 18pt) WCAG AA × Fail

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 55.3258, 0.2558, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

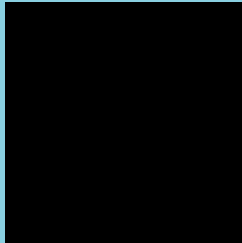
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3258, 0.2558, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 55.3258, 0.2558, 0.3071.



This preview shows how white text looks on a background with the Yxy color 55.3258, 0.2558, 0.3071.

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

55.3258, 0.2558, 0.3071

Protanopia

54.8789, 0.2961, 0.3027

Deuteranopia

54.9498, 0.2930, 0.2872



Tritanopia

55.3258, 0.2558, 0.3071

Trichromacy



Original Color

55.3258, 0.2558, 0.3071

Protanomaly

54.8456, 0.2799, 0.3043

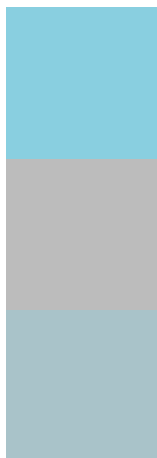
Deuteranomaly

54.6536, 0.2774, 0.2938

Tritanomaly

55.3258, 0.2558, 0.3071

Monochromacy



Original Color

55.3258, 0.2558, 0.3071

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.6823, 0.2885, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3258, 0.2558, 0.3071 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(137, 207, 224)` looks like.

```
.text, #text, p{  
    color:rgb(137, 207, 224)  
}
```

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(137, 207, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 207, 224) }
```

Border

The CSS property to change the border of an element to Yxy 55.3258, 0.2558, 0.3071 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(137, 207, 224) }
```

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

```
.border{ border-color:rgb(137, 207, 224) }
```

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

Here you see how a box with a 4 pixel rgb(137, 207, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 207, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 207, 224);  
box-shadow:4px 4px 4px 4px rgb(137, 207,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3258, 0.2558, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 207, 224) }
```

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

```
.background{ background-color: rgb(137,  
207, 224) }
```

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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