

Converting Colors

$Yxy(55.8589, 0.2356, 0.3131)$

Have a look what the booklet for
Yxy(55.8589, 0.2356, 0.3131)
contains.

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Color

Yxy(55.7578, 0.2356, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	5AD6E2
RGB	90, 214, 226
RGB Percent	35%, 84%, 89%
CMY	0.6467, 0.1608, 0.1137
CMYK	0.60, 0.05, 0.00, 0.11
HSL	185°, 70%, 62%
HSV	185°, 60%, 89%
XYZ	41.9966, 55.7578, 80.4994
YIQ	178.2920, -77.7560, -22.5560

Conversions

Conversions Part 2

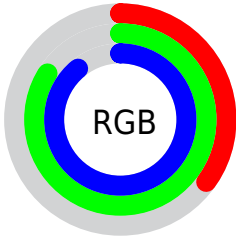
Format	Color
RYB	90, 155, 226
Decimal	5953250
CIELab	79.48, -30.71, -16.23
CIELCh	79, 34.732, 207.862
Yxy	55.7578, 0.2356, 0.3128
Android (android.graphics.Color)	4284143330 (0xFF5AD6E2)
YUV	178.2920, 23.5200, -77.4321
Hunter-Lab	74.6711, -30.2824, -11.6479

Details

The Yxy color **55.7578, 0.2356, 0.3128** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.4307, 0.4919, 0.3424**, and the grayscale version is **44.6009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **27.7365, 0.2186, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **53.7880, 0.2282, 0.3097**, and if you desaturate by 10%, it is **58.0887, 0.2449, 0.3158**.

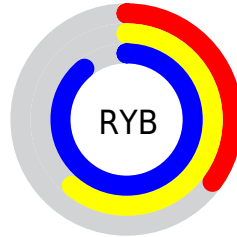
Distribution



Red (35%)

Green (84%)

Blue (89%)



Red (35%)

Yellow (61%)

Blue (89%)

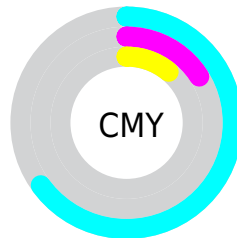


Cyan (60%)

Magenta (5%)

Yellow (0%)

Black (11%)



Cyan (65%)


Magenta (16%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7578, 0.2356, 0.3128 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 55.7578, 0.2356, 0.3128 by changing the saturation by 10% instead.

 55.7578, 0.2356,
0.3128

 55.7578, 0.2356,
0.3128


408.7781, 0.2719,
0.3217


 40.0088, 0.2272,
0.3104


 98.6504, 0.2483,
0.3162

 27.5454, 0.2169,
0.3072


 126.5627, 0.2532,
0.3174

 17.9832, 0.2037,
0.3028


 159.2982, 0.2574,
0.3184

 10.9380, 0.1866,
0.2966

 197.2414, 0.2611,
0.3193

 6.0251, 0.1636,
0.2870

240.7766, 0.2643,
0.3200

 2.8604, 0.1314,
0.2709

290.2882, 0.2671,

 1.0593, 0.0580,

0.3207

0.2481

346.1605, 0.2696,
0.3212

■ 0.0000, 0.0000,
0.0000

■ 55.7578, 0.2356,
0.3128

■ 55.7578, 0.2356,
0.3128

■ 53.7880, 0.2282,
0.3097

■ 58.0887, 0.2449,
0.3158

■ 52.1407, 0.2226,
0.3067

■ 60.8027, 0.2560,
0.3188

■ 50.7795, 0.2190,
0.3037


■ 63.9273, 0.2686,
0.3216


■ 49.6512, 0.2169,
0.3007


■ 67.4858, 0.2824,
0.3242

■ 71.4994, 0.2971,
0.3267

 75.9883, 0.3125,
0.3290

 80.9712, 0.3282,
0.3310

 83.3256, 0.3327,
0.3330

 84.4429, 0.3325,
0.3350

Harmonies

Analogous

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



55.7578, 0.2613, 0.3580



55.7578, 0.2356, 0.3128



55.7578, 0.2293, 0.2769

Triad

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



55.7578, 0.2356, 0.3128



55.7578, 0.3188, 0.2727



55.7578, 0.3846, 0.4009

Complementary

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



55.7578, 0.2356, 0.3128



26.4307, 0.4919, 0.3424

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.



55.7578, 0.4035, 0.3721



55.7578, 0.2356, 0.3128



55.7578, 0.3643, 0.3006

Square

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



55.7578, 0.2356, 0.3128



55.7578, 0.2747, 0.2573



55.7578, 0.3962, 0.3359



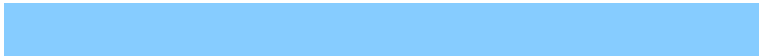
55.7578, 0.3469, 0.4118

Rectangle

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



55.7578, 0.2356, 0.3128



55.7578, 0.2363, 0.2623



55.7578, 0.3962, 0.3359



55.7578, 0.3935, 0.3927

Sweetspot

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



55.7599, 0.2356, 0.3128



89.7502, 0.2853, 0.3247



57.5189, 0.2989, 0.5088



18.8963, 0.2811, 0.3240



0.0000, 0.0000, 0.0000



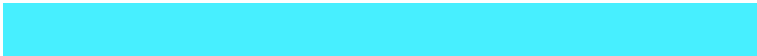
21.4041, 0.3127, 0.3290

Same Dimension

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



55.7599, 0.2356, 0.3128



70.1801, 0.2267, 0.3090



28.4502, 0.2135, 0.2143



15.3544, 0.2982, 0.3269



28.4158, 0.2170, 0.3012



2.0312, 0.2183, 0.3058

Inverse Universe

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



28.3517, 0.3319, 0.1995



32.0366, 0.3362, 0.1824



45.4233, 0.4361, 0.4173



13.9137, 0.3151, 0.3079



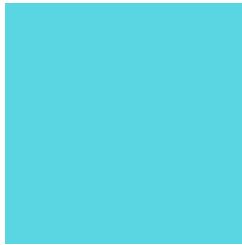
11.7766, 0.3444, 0.1671



0.8225, 0.3403, 0.1648

Previews

White Background



This preview shows how the Yxy color 55.7578, 0.2356, 0.3128 looks on a white background.

Color Contrast Check

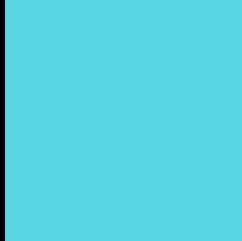
Large Text (above 18pt) WCAG AA × Fail

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 55.7578, 0.2356, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

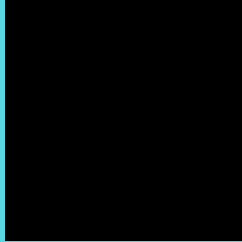
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7578, 0.2356, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 55.7578, 0.2356, 0.3128.

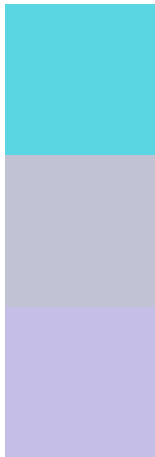


This preview shows how white text looks on a background with the Yxy color 55.7578, 0.2356, 0.3128.

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

55.7578, 0.2356, 0.3128

Protanopia

54.8570, 0.2990, 0.3063

Deuteranopia

54.9014, 0.2887, 0.2827



Tritanopia

55.6333, 0.2338, 0.3051

Trichromacy



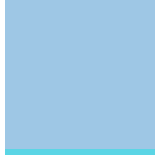
Original Color

55.7578, 0.2356, 0.3128



Protanomaly

53.9032, 0.2694, 0.3073



Deuteranomaly

53.7731, 0.2639, 0.2916



Tritanomaly

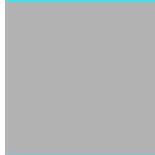
55.4698, 0.2343, 0.3076

Monochromacy



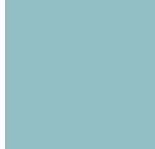
Original Color

55.7578, 0.2356, 0.3128



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.3127, 0.2757, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7578, 0.2356, 0.3128 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(90, 214, 226)` looks like.

```
.text, #text, p{  
    color:rgb(90, 214, 226)  
}
```

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(90, 214, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 214, 226) }
```

Border

The CSS property to change the border of an element to Yxy 55.7578, 0.2356, 0.3128 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(90, 214, 226) }
```

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

```
.border{ border-color:rgb(90, 214, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 214, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 214, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 214, 226);  
box-shadow:4px 4px 4px 4px rgb(90, 214,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7578, 0.2356, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 214, 226) }
```

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

```
.background{ background-color: rgb(90, 214,  
226) }
```

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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