

Converting Colors

$Y_{xy}(55.4943, 0.2378, 0.2990)$

Have a look what the booklet for
Yxy(55.4943, 0.2378, 0.2990)
contains.

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Color

Yxy(55.7172, 0.2379, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	6CD3EA
RGB	108, 211, 234
RGB Percent	42%, 83%, 92%
CMY	0.5769, 0.1725, 0.0824
CMYK	0.54, 0.10, 0.00, 0.08
HSL	191°, 75%, 67%
HSV	191°, 54%, 92%
XYZ	44.3167, 55.7172, 86.2490
YIQ	182.8250, -68.7710, -14.6830

Conversions

Conversions Part 2

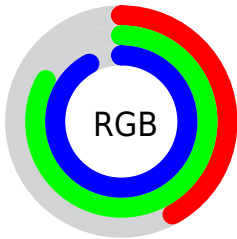
Format	Color
RYB	108, 165, 234
Decimal	7132138
CIELab	79.45, -23.72, -20.48
CIELCh	79, 31.336, 220.808
Yxy	55.7172, 0.2379, 0.2991
Android (android.graphics.Color)	4285322218 (0xFF6CD3EA)
YUV	182.8250, 25.2293, -65.6215
Hunter-Lab	74.6440, -24.6501, -16.2571

Details

The Yxy color **55.7172, 0.2379, 0.2991** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7609, 0.4564, 0.3547**, and the grayscale version is **47.1255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **27.4424, 0.2200, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **52.3563, 0.2280, 0.2926**, and if you desaturate by 10%, it is **59.5319, 0.2495, 0.3054**.

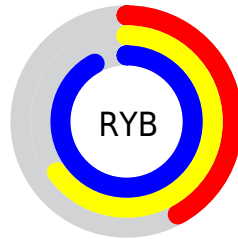
Distribution



Red (42%)

Green (83%)

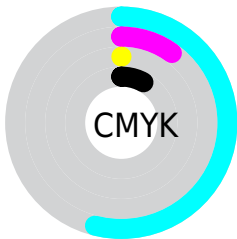
Blue (92%)



Red (42%)

Yellow (65%)

Blue (92%)

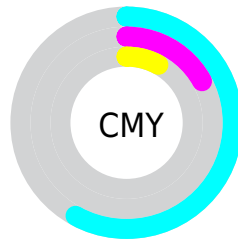


Cyan (54%)

Magenta (10%)

Yellow (0%)

Black (8%)



Cyan (58%)

Magenta (17%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7172, 0.2379, 0.2991 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 55.7172, 0.2379, 0.2991 by changing the saturation by 10% instead.

■ 55.7172, 0.2379,
0.2991

■ 55.7172, 0.2379,
0.2991

■ 408.6249, 0.2731,
0.3145

■ 39.9762, 0.2298,
0.2952

■ 98.5910, 0.2502,
0.3047

■ 27.5200, 0.2198,
0.2902

■ 126.4926, 0.2549,
0.3068

■ 17.9642, 0.2071,
0.2836

■ 159.2165, 0.2590,
0.3086

■ 10.9243, 0.1906,
0.2744

■ 197.1471, 0.2626,
0.3101

■ 6.0159, 0.1685,
0.2611

■ 240.6689, 0.2657,
0.3114

■ 2.8548, 0.1376,
0.2402

■ 290.1662, 0.2684,

■ 1.0564, 0.0815,

0.3126

0.2071

346.0234, 0.2709,
0.3136

0.0000, 0.0000,
0.0000

55.7172, 0.2379,
0.2991

55.7172, 0.2379,
0.2991

52.3563, 0.2280,
0.2926

59.5319, 0.2495,
0.3054

49.4100, 0.2200,
0.2860

63.8232, 0.2624,
0.3115

46.8428, 0.2140,
0.2793

68.6197, 0.2765,
0.3171

44.6087, 0.2098,
0.2727

73.9456, 0.2914,
0.3224

43.3653, 0.2080,
0.2687

79.8238, 0.3067,
0.3272

86.2753, 0.3222,
0.3316

90.0205, 0.3264,
0.3358

92.5706, 0.3259,
0.3399

95.1802, 0.3255,
0.3440

Harmonies

Analogous

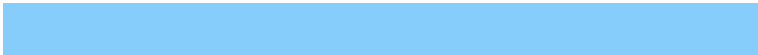
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.7172, 0.2541, 0.3376



55.7172, 0.2379, 0.2991



55.7172, 0.2401, 0.2726

Triad

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



55.7172, 0.2379, 0.2991



55.7172, 0.3367, 0.2876



55.7172, 0.3648, 0.4007

Complementary

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



55.7172, 0.2379, 0.2991



34.7609, 0.4564, 0.3547

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.



55.7172, 0.3901, 0.3810



55.7172, 0.2379, 0.2991



55.7172, 0.3739, 0.3168

Square

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



55.7172, 0.2379, 0.2991



55.7172, 0.2948, 0.2681



55.7172, 0.3938, 0.3502



55.7172, 0.3264, 0.4003

Rectangle

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



55.7172, 0.2379, 0.2991



55.7172, 0.2516, 0.2638



55.7172, 0.3938, 0.3502



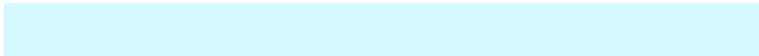
55.7172, 0.3752, 0.3960

Sweetspot

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



55.7193, 0.2379, 0.2991



88.4170, 0.2881, 0.3213



63.6004, 0.2950, 0.4744



18.6331, 0.2850, 0.3202



0.0000, 0.0000, 0.0000



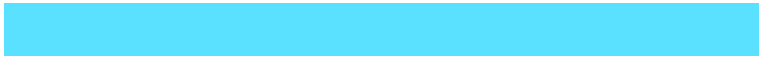
21.4041, 0.3127, 0.3290

Same Dimension

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



55.7193, 0.2379, 0.2991



63.1072, 0.2268, 0.2917



30.9058, 0.2202, 0.2132



16.6282, 0.2981, 0.3246



24.5431, 0.2083, 0.2698



2.0485, 0.2108, 0.2789

Inverse Universe

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



32.8939, 0.3420, 0.2204



33.8726, 0.3500, 0.2030



56.2476, 0.4145, 0.4204



15.2640, 0.3166, 0.3099



11.9704, 0.3730, 0.1829



0.9522, 0.3645, 0.1782

Previews

White Background



This preview shows how the Yxy color 55.7172, 0.2379, 0.2991 looks on a white background.

Color Contrast Check

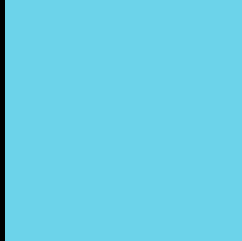
Large Text (above 18pt) WCAG AA × Fail

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 55.7172, 0.2379, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

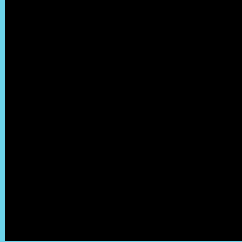
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7172, 0.2379, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 55.7172, 0.2379, 0.2991.



This preview shows how white text looks on a background with the Yxy color 55.7172, 0.2379, 0.2991.

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

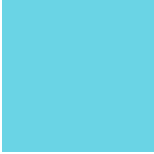
55.7172, 0.2379, 0.2991

Protanopia

54.9877, 0.2898, 0.2946

Deuteranopia

54.7721, 0.2812, 0.2748



Tritanopia

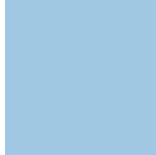
55.8083, 0.2397, 0.3066

Trichromacy



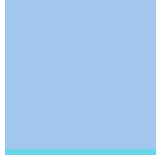
Original Color

55.7172, 0.2379, 0.2991



Protanomaly

54.4317, 0.2671, 0.2954



Deuteranomaly

54.1840, 0.2617, 0.2815



Tritanomaly

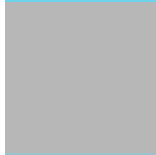
55.9823, 0.2392, 0.3041

Monochromacy



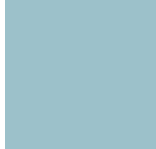
Original Color

55.7172, 0.2379, 0.2991



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.4721, 0.2784, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7172, 0.2379, 0.2991 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(108, 211, 234)` looks like.

```
.text, #text, p{  
    color:rgb(108, 211, 234)  
}
```

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(108, 211, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 211, 234) }
```

Border

The CSS property to change the border of an element to Yxy 55.7172, 0.2379, 0.2991 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(108, 211, 234) }
```

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

```
.border{ border-color:rgb(108, 211, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 211, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 211, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 211, 234);  
box-shadow:4px 4px 4px 4px rgb(108, 211,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7172, 0.2379, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 211, 234) }
```

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

```
.background{ background-color: rgb(108,  
211, 234) }
```

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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