

Converting Colors

$Y_{xy}(55.8679, 0.2453, 0.2994)$

Have a look what the booklet for
Yxy(55.8679, 0.2453, 0.2994)
contains.

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Color

Yxy(55.7122, 0.2455, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	7CD1E8
RGB	124, 209, 232
RGB Percent	49%, 82%, 91%
CMY	0.5135, 0.1804, 0.0902
CMYK	0.47, 0.10, 0.00, 0.09
HSL	193°, 70%, 70%
HSV	193°, 47%, 91%
XYZ	45.6825, 55.7122, 84.6848
YIQ	186.2070, -58.0430, -10.8670

Conversions

Conversions Part 2

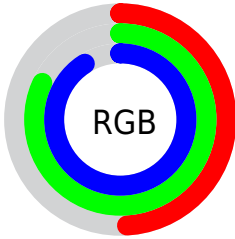
Format	Color
RYB	124, 172, 232
Decimal	8180200
CIELab	79.45, -19.76, -19.36
CIElCh	79, 27.665, 224.407
Yxy	55.7122, 0.2455, 0.2994
Android (<code>android.graphics.Color</code>)	4286370280 (<code>0xFF7CD1E8</code>)
YUV	186.2070, 22.5759, -54.5555
Hunter-Lab	74.6406, -21.3732, -15.0201

Details

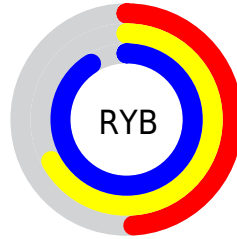
The Yxy color **55.7122, 0.2455, 0.2994** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.4947, 0.4264, 0.3556**, and the grayscale version is **49.1277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **27.3696, 0.2291, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **51.7956, 0.2340, 0.2919**, and if you desaturate by 10%, it is **60.1149, 0.2585, 0.3066**.

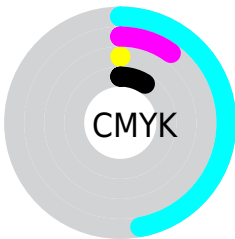
Distribution



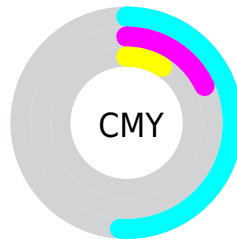
- Red (49%)
- Green (82%)
- Blue (91%)



- Red (49%)
- Yellow (67%)
- Blue (91%)



- Cyan (47%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7122, 0.2455, 0.2994 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 55.7122, 0.2455, 0.2994 by changing the saturation by 10% instead.


 55.7122, 0.2455,
0.2994


 55.7122, 0.2455,
0.2994


408.6060, 0.2772,
0.3144


 39.9722, 0.2382,
0.2956


 98.5837, 0.2566,
0.3049

 27.5169, 0.2290,
0.2908


 126.4839, 0.2609,
0.3069

 17.9618, 0.2175,
0.2845


 159.2064, 0.2646,
0.3087

 10.9226, 0.2023,
0.2757

197.1355, 0.2678,
0.3101

 6.0148, 0.1817,
0.2630

240.6556, 0.2706,
0.3114

 2.8541, 0.1525,
0.2431

290.1512, 0.2730,

 1.0560, 0.1022,

0.3125

0.2108

346.0065, 0.2752,
0.3135

0.0000, 0.0000,
0.0000

55.7122, 0.2455,
0.2994

55.7122, 0.2455,
0.2994

51.7956, 0.2340,
0.2919

60.1149, 0.2585,
0.3066

48.3291, 0.2241,
0.2841

65.0241, 0.2725,
0.3134

45.2814, 0.2162,
0.2762


70.4666, 0.2873,
0.3197


42.6135, 0.2102,
0.2683

76.4651, 0.3026,
0.3255

40.2765, 0.2061,
0.2606


83.0411, 0.3181,
0.3308

 39.5144, 0.2050,
0.2579

 88.6163, 0.3278,
0.3356

 91.5447, 0.3273,
0.3404

 94.5528, 0.3268,
0.3451

 97.6413, 0.3263,
0.3498

Harmonies

Analogous

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



55.7122, 0.2582, 0.3325



55.7122, 0.2455, 0.2994



55.7122, 0.2494, 0.2772

Triad

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



55.7122, 0.2455, 0.2994



55.7122, 0.3384, 0.2949



55.7122, 0.3554, 0.3933

Complementary

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



55.7122, 0.2455, 0.2994



39.4947, 0.4264, 0.3556

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.



55.7122, 0.3793, 0.3782



55.7122, 0.2455, 0.2994



55.7122, 0.3697, 0.3219

Square

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



55.7122, 0.2455, 0.2994



55.7122, 0.3013, 0.2762



55.7122, 0.3850, 0.3518



55.7122, 0.3208, 0.3900

Rectangle

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



55.7122, 0.2455, 0.2994



55.7122, 0.2610, 0.2704



55.7122, 0.3850, 0.3518



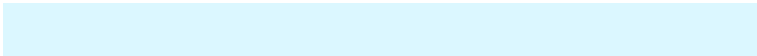
55.7122, 0.3650, 0.3900

Sweetspot

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



55.7143, 0.2455, 0.2994



89.0893, 0.2911, 0.3212



64.0634, 0.2949, 0.4462



18.7355, 0.2878, 0.3199



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.



55.7143, 0.2455, 0.2994



64.2991, 0.2342, 0.2920



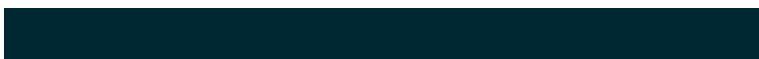
34.0382, 0.2324, 0.2270



15.7877, 0.2981, 0.3239



22.1281, 0.2053, 0.2591



1.7657, 0.2085, 0.2705

Inverse Universe

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



36.1868, 0.3404, 0.2369



38.3056, 0.3482, 0.2201



59.7406, 0.3970, 0.4125



14.5599, 0.3170, 0.3107



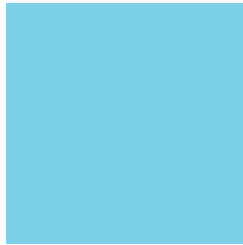
11.4316, 0.3832, 0.1885



0.8579, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 55.7122, 0.2455, 0.2994 looks on a white background.

Color Contrast Check

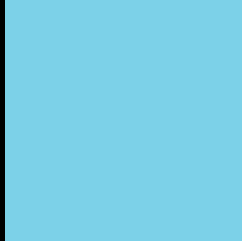
Large Text (above 18pt) WCAG AA × Fail

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 55.7122, 0.2455, 0.2994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

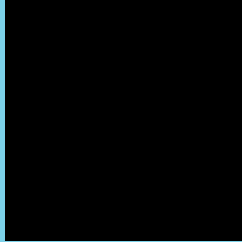
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7122, 0.2455, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 55.7122, 0.2455, 0.2994.



This preview shows how white text looks on a background with the Yxy color 55.7122, 0.2455, 0.2994.

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

55.7122, 0.2455, 0.2994

Protanopia

54.9339, 0.2905, 0.2957

Deuteranopia

54.9198, 0.2840, 0.2771



Tritanopia

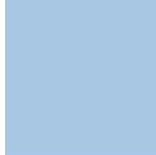
55.7768, 0.2472, 0.3068

Trichromacy



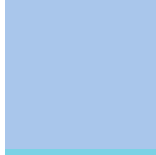
Original Color

55.7122, 0.2455, 0.2994



Protanomaly

54.5533, 0.2715, 0.2957



Deuteranomaly

54.8213, 0.2673, 0.2843



Tritanomaly

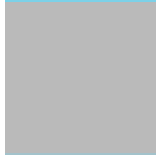
55.9613, 0.2467, 0.3044

Monochromacy



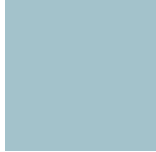
Original Color

55.7122, 0.2455, 0.2994



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

50.6819, 0.2828, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7122, 0.2455, 0.2994 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(124, 209, 232)` looks like.

```
.text, #text, p{  
    color:rgb(124, 209, 232)  
}
```

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(124, 209, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 209, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.7122, 0.2455, 0.2994 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(124, 209, 232) }
```

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

```
.border{ border-color:rgb(124, 209, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 209, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 209, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 209, 232);  
box-shadow:4px 4px 4px 4px rgb(124, 209,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7122, 0.2455, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 209, 232) }
```

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

```
.background{ background-color: rgb(124,  
209, 232) }
```

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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