

Converting Colors

$Y_{xy}(55.7066, 0.2492, 0.2996)$

Have a look what the booklet for
Yxy(55.7066, 0.2492, 0.2996)
contains.

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Color

Yxy(55.7066, 0.2492, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	83D0E7
RGB	131, 208, 231
RGB Percent	51%, 82%, 91%
CMY	0.4863, 0.1843, 0.0942
CMYK	0.43, 0.10, 0.00, 0.09
HSL	194°, 68%, 71%
HSV	194°, 43%, 91%
XYZ	46.3354, 55.7066, 83.8946
YIQ	187.5990, -53.2750, -9.1710

Conversions

Conversions Part 2

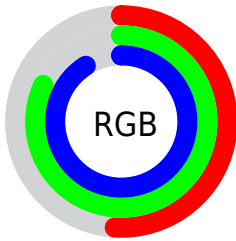
Format	Color
RYB	131, 175, 231
Decimal	8638695
CIELab	79.45, -17.89, -18.79
CIELCh	79, 25.946, 226.402
Yxy	55.7066, 0.2492, 0.2996
Android (android.graphics.Color)	4286828775 (0xFF83D0E7)
YUV	187.5990, 21.3967, -49.6373
Hunter-Lab	74.6369, -19.7997, -14.3984

Details

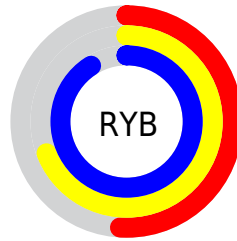
The Yxy color **55.7066, 0.2492, 0.2996** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7212, 0.4143, 0.3558**, and the grayscale version is **49.9485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **27.6622, 0.2340, 0.2927** is the 20% darker color. If you saturate the color by 10%, you get **51.5212, 0.2370, 0.2915**, and if you desaturate by 10%, it is **60.3939, 0.2627, 0.3073**.

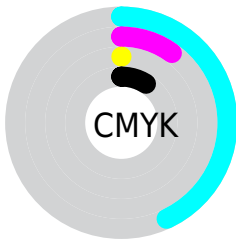
Distribution



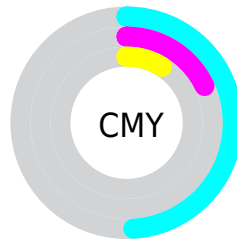
- Red (51%)
- Green (82%)
- Blue (91%)



- Red (51%)
- Yellow (69%)
- Blue (91%)



- Cyan (43%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)





- Cyan (49%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7066, 0.2492, 0.2996 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 55.7066, 0.2492, 0.2996 by changing the saturation by 10% instead.


 55.7066, 0.2492,
0.2996

 55.7066, 0.2492,
0.2996


408.5849, 0.2792,
0.3144


 39.9677, 0.2422,
0.2959


 98.5755, 0.2597,
0.3050

 27.5134, 0.2336,
0.2912


 126.4743, 0.2638,
0.3070

 17.9592, 0.2225,
0.2850


 159.1951, 0.2673,
0.3087

 10.9207, 0.2080,
0.2764

197.1225, 0.2703,
0.3102

 6.0135, 0.1882,
0.2640

240.6408, 0.2730,
0.3115

 2.8533, 0.1600,
0.2446

290.1343, 0.2753,

 1.0556, 0.1123,

0.3126

0.2128

345.9876, 0.2774,
0.3136

0.0000, 0.0000,
0.0000

55.7066, 0.2492,
0.2996

55.7066, 0.2492,
0.2996

51.5212, 0.2370,
0.2915

60.3939, 0.2627,
0.3073

47.8028, 0.2263,
0.2832

65.6025, 0.2772,
0.3144

44.5217, 0.2175,
0.2747

71.3586, 0.2923,
0.3211

41.6412, 0.2107,
0.2661

77.6844, 0.3076,
0.3271

39.1168, 0.2058,
0.2576

84.6007, 0.3231,
0.3326

■ 37.5765, 0.2033,
0.2520

■ 89.2572, 0.3284,
0.3377

■ 92.4245, 0.3278,
0.3429

■ 95.6839, 0.3273,
0.3480

■ 98.5483, 0.3268,
0.3523

Harmonies

Analogous

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



55.7066, 0.2602, 0.3301



55.7066, 0.2492, 0.2996



55.7066, 0.2539, 0.2794

Triad

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



55.7066, 0.2492, 0.2996



55.7066, 0.3391, 0.2984



55.7066, 0.3509, 0.3897

Complementary

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



55.7066, 0.2492, 0.2996



41.7212, 0.4143, 0.3558

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.



55.7066, 0.3742, 0.3767



55.7066, 0.2492, 0.2996



55.7066, 0.3677, 0.3243

Square

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



55.7066, 0.2492, 0.2996



55.7066, 0.3043, 0.2801



55.7066, 0.3807, 0.3525



55.7066, 0.3181, 0.3851

Rectangle

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



55.7066, 0.2492, 0.2996



55.7066, 0.2655, 0.2735



55.7066, 0.3807, 0.3525



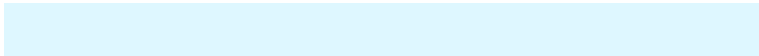
55.7066, 0.3602, 0.3871

Sweetspot

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



55.7087, 0.2492, 0.2996



89.4830, 0.2926, 0.3212



64.2526, 0.2949, 0.4342



18.7971, 0.2892, 0.3198



0.0000, 0.0000, 0.0000



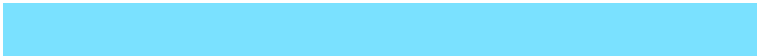
21.4041, 0.3127, 0.3290

Same Dimension

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



55.7087, 0.2492, 0.2996



64.9884, 0.2381, 0.2924



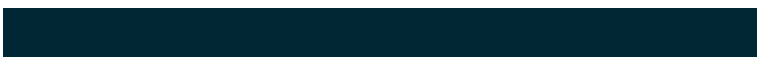
35.4990, 0.2380, 0.2331



15.7454, 0.2981, 0.3235



21.2669, 0.2037, 0.2533



1.7088, 0.2071, 0.2656

Inverse Universe

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



37.7695, 0.3396, 0.2446



40.6886, 0.3471, 0.2286



61.1695, 0.3896, 0.4086



14.5556, 0.3173, 0.3111



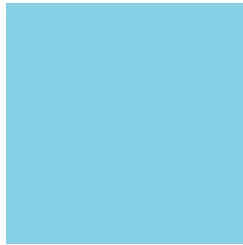
11.3446, 0.3890, 0.1916



0.8522, 0.3770, 0.1850

Previews

White Background



This preview shows how the Yxy color 55.7066, 0.2492, 0.2996 looks on a white background.

Color Contrast Check

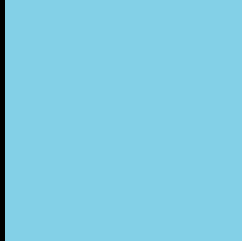
Large Text (above 18pt) WCAG AA × Fail

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 55.7066, 0.2492, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

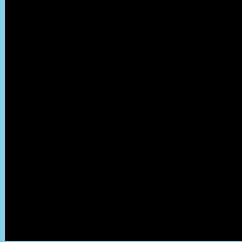
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7066, 0.2492, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 55.7066, 0.2492, 0.2996.

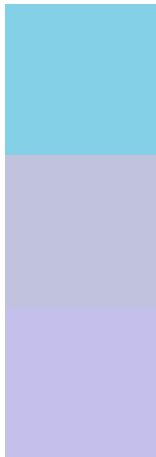


This preview shows how white text looks on a background with the Yxy color 55.7066, 0.2492, 0.2996.

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

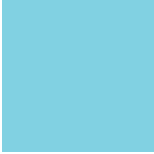
55.7066, 0.2492, 0.2996

Protanopia

55.0640, 0.2912, 0.2958

Deuteranopia

55.4332, 0.2854, 0.2795



Tritanopia

55.7590, 0.2509, 0.3070

Trichromacy



Original Color

55.7066, 0.2492, 0.2996

Protanomaly

54.8291, 0.2741, 0.2971

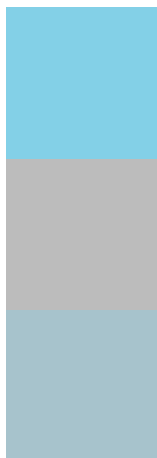
Deuteranomaly

55.0993, 0.2699, 0.2856

Tritanomaly

55.9482, 0.2504, 0.3045

Monochromacy



Original Color

55.7066, 0.2492, 0.2996

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.6053, 0.2851, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7066, 0.2492, 0.2996 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(131, 208, 231)` looks like.

```
.text, #text, p{  
    color:rgb(131, 208, 231)  
}
```

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(131, 208, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 208, 231) }
```

Border

The CSS property to change the border of an element to Yxy 55.7066, 0.2492, 0.2996 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(131, 208, 231) }
```

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

```
.border{ border-color:rgb(131, 208, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 208, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 208, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 208, 231);  
box-shadow:4px 4px 4px 4px rgb(131, 208,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7066, 0.2492, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 208, 231) }
```

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

```
.background{ background-color: rgb(131,  
208, 231) }
```

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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