

Converting Colors

$Y_{xy}(55.3733, 0.2522, 0.3069)$

Have a look what the booklet for
Yxy(55.3733, 0.2522, 0.3069)
contains.

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Color

Yxy(55.3733, 0.2522, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	83D0E1
RGB	131, 208, 225
RGB Percent	51%, 82%, 88%
CMY	0.4865, 0.1843, 0.1175
CMYK	0.42, 0.08, 0.00, 0.12
HSL	191°, 61%, 70%
HSV	191°, 42%, 88%
XYZ	45.5039, 55.3733, 79.5506
YIQ	186.9150, -51.3490, -11.0370

Conversions

Conversions Part 2

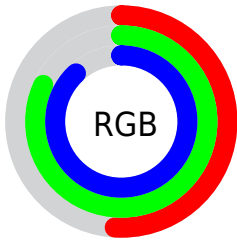
Format	Color
RYB	131, 173, 225
Decimal	8638689
CIELab	79.26, -19.44, -15.90
CIELCh	79, 25.112, 219.279
Yxy	55.3733, 0.2522, 0.3069
Android (android.graphics.Color)	4286828769 (0xFF83D0E1)
YUV	186.9150, 18.7759, -49.0375
Hunter-Lab	74.4132, -21.0699, -11.2940

Details

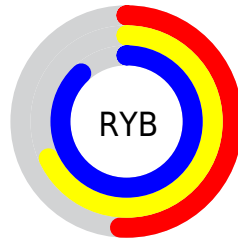
The Yxy color **55.3733, 0.2522, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8230, 0.4117, 0.3494**, and the grayscale version is **49.5530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **27.1806, 0.2371, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **51.8096, 0.2403, 0.3007**, and if you desaturate by 10%, it is **59.3824, 0.2654, 0.3128**.

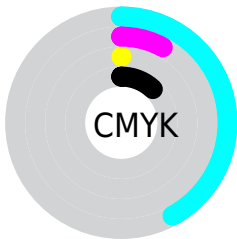
Distribution



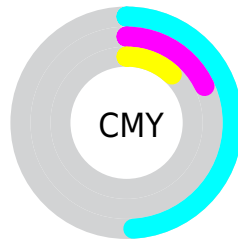
- Red (51%)
- Green (82%)
- Blue (88%)



- Red (51%)
- Yellow (68%)
- Blue (88%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3733, 0.2522, 0.3069 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 55.3733, 0.2522, 0.3069 by changing the saturation by 10% instead.

■ 55.3733, 0.2522,
0.3069

■ 55.3733, 0.2522,
0.3069

■ 407.3254, 0.2809,
0.3182

■ 39.7007, 0.2455,
0.3040

■ 98.0877, 0.2623,
0.3111

■ 27.3052, 0.2371,
0.3003

■ 125.8982, 0.2662,
0.3126

■ 17.8026, 0.2265,
0.2954

■ 158.5235, 0.2695,
0.3139

■ 10.8084, 0.2124,
0.2885

■ 196.3480, 0.2724,
0.3150

■ 5.9381, 0.1931,
0.2783

■ 239.7561, 0.2749,
0.3160

■ 2.8075, 0.1652,
0.2620

■ 289.1320, 0.2772,

■ 1.0321, 0.1138,

0.3168

0.2351

344.8604, 0.2791,
0.3176

0.0000, 0.0000,
0.0000

55.3733, 0.2522,
0.3069

55.3733, 0.2522,
0.3069

51.8096, 0.2403,
0.3007

59.3824, 0.2654,
0.3128

48.6591, 0.2301,
0.2943

63.8541, 0.2796,
0.3184

45.8948, 0.2217,
0.2877

68.8124, 0.2946,
0.3235

43.4836, 0.2153,
0.2811

74.2774, 0.3099,
0.3282

41.3858, 0.2107,
0.2746

80.2684, 0.3254,
0.3324

■ 39.8481, 0.2081,
0.2693

■ 84.6632, 0.3331,
0.3364

■ 86.9888, 0.3326,
0.3404

■ 89.3678, 0.3321,
0.3444

■ 91.8007, 0.3316,
0.3483

Harmonies

Analogous

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



55.3733, 0.2664, 0.3378



55.3733, 0.2522, 0.3069



55.3733, 0.2532, 0.2844

Triad

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



55.3733, 0.2522, 0.3069



55.3733, 0.3305, 0.2943



55.3733, 0.3563, 0.3862

Complementary

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



55.3733, 0.2522, 0.3069



38.8230, 0.4117, 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.



55.3733, 0.3755, 0.3705



55.3733, 0.2522, 0.3069



55.3733, 0.3605, 0.3181

Square

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



55.3733, 0.2522, 0.3069



55.3733, 0.2969, 0.2787



55.3733, 0.3773, 0.3455



55.3733, 0.3259, 0.3860

Rectangle

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



55.3733, 0.2522, 0.3069



55.3733, 0.2622, 0.2765



55.3733, 0.3773, 0.3455



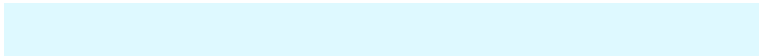
55.3733, 0.3644, 0.3825

Sweetspot

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



55.3754, 0.2522, 0.3069



90.4775, 0.2926, 0.3229



60.7872, 0.2981, 0.4364



19.0446, 0.2893, 0.3218



0.0000, 0.0000, 0.0000



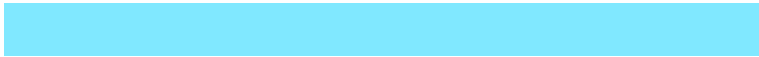
21.4041, 0.3127, 0.3290

Same Dimension

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



55.3754, 0.2522, 0.3069



69.4411, 0.2420, 0.3016



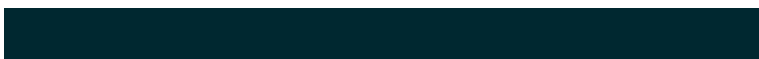
36.2093, 0.2419, 0.2439



15.1283, 0.2982, 0.3247



23.1111, 0.2084, 0.2703



1.7133, 0.2112, 0.2803

Inverse Universe

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



36.7863, 0.3338, 0.2429



42.3901, 0.3394, 0.2267



56.0897, 0.3887, 0.4010



13.8908, 0.3165, 0.3100



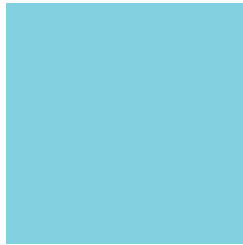
11.2411, 0.3725, 0.1826



0.7904, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 55.3733, 0.2522, 0.3069 looks on a white background.

Color Contrast Check

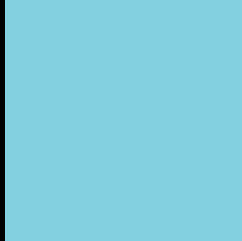
Large Text (above 18pt) WCAG AA × Fail

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 55.3733, 0.2522, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

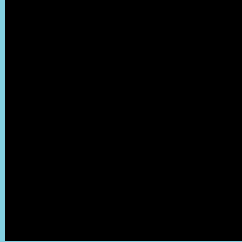
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3733, 0.2522, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 55.3733, 0.2522, 0.3069.



This preview shows how white text looks on a background with the Yxy color 55.3733, 0.2522, 0.3069.

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

55.3733, 0.2522, 0.3069

Protanopia

54.8789, 0.2961, 0.3027

Deuteranopia

54.9245, 0.2908, 0.2849



Tritanopia

55.3733, 0.2522, 0.3069

Trichromacy



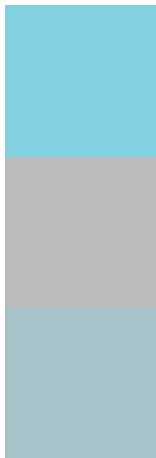
Original Color
55.3733, 0.2522, 0.3069

Protanomaly
54.5074, 0.2778, 0.3042

Deuteranomaly
54.5326, 0.2747, 0.2913

Tritanomaly
55.3733, 0.2522, 0.3069

Monochromacy



Original Color
55.3733, 0.2522, 0.3069

Achromatopsia
49.6933, 0.3127, 0.3290

Achromatomaly
51.4627, 0.2871, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3733, 0.2522, 0.3069 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(131, 208, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 208, 225) }
```

Border

The CSS property to change the border of an element to Yxy 55.3733, 0.2522, 0.3069 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, 225) }
```

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

```
.border{ border-color:rgb(131, 208, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 208, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 208, 225); box-shadow:4px 4px 4px 4px rgb(131, 208, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3733, 0.2522, 0.3069 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, 225) }
```

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

```
.background{ background-color: rgb(131,  
208, 225) }
```

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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