

Converting Colors

$Y_{xy}(55.2534, 0.2656, 0.3002)$

Have a look what the booklet for
Yxy(55.2534, 0.2656, 0.3002)
contains.

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Color

Yxy(55.3710, 0.2656, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	9DCBE2
RGB	157, 203, 226
RGB Percent	62%, 80%, 89%
CMY	0.3844, 0.2039, 0.1136
CMYK	0.31, 0.10, 0.00, 0.11
HSL	200°, 54%, 75%
HSV	200°, 31%, 89%
XYZ	48.9891, 55.3710, 80.0869
YIQ	191.8680, -34.7990, -2.5990

Conversions

Conversions Part 2

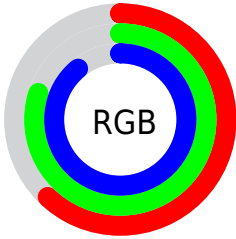
Format	Color
R _{YB}	157, 185, 226
Decimal	10341346
CIE Lab	79.25, -9.69, -16.30
CIE LCh	79, 18.967, 239.273
Yxy	55.3710, 0.2656, 0.3002
Android (android.graphics.Color)	4288531426 (0xFF9DCBE2)
YUV	191.8680, 16.8271, -30.5792
Hunter-Lab	74.4117, -12.7045, -11.7237

Details

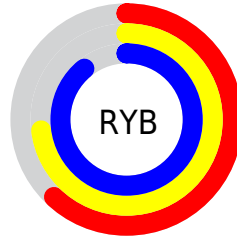
The Yxy color **55.3710, 0.2656, 0.3002** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.2589, 0.3735, 0.3560**, and the grayscale version is **52.5465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **27.3187, 0.2532, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **49.8309, 0.2508, 0.2890**, and if you desaturate by 10%, it is **61.5093, 0.2809, 0.3105**.

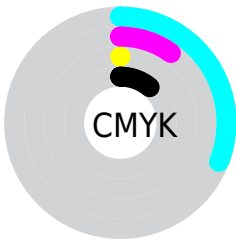
Distribution



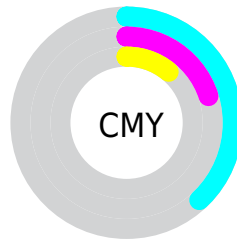
- Red (62%)
- Green (80%)
- Blue (89%)



- Red (62%)
- Yellow (73%)
- Blue (89%)



- Cyan (31%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3710, 0.2656, 0.3002 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 55.3710, 0.2656, 0.3002 by changing the saturation by 10% instead.

■ 55.3710, 0.2656,
0.3002

■ 55.3710, 0.2656,
0.3002

407.3167, 0.2881,
0.3144

■ 39.6988, 0.2603,
0.2967

■ 98.0843, 0.2735,
0.3053

■ 27.3038, 0.2537,
0.2923

■ 125.8943, 0.2766,
0.3072

■ 17.8015, 0.2452,
0.2866

158.5189, 0.2792,
0.3089

■ 10.8076, 0.2339,
0.2787

196.3427, 0.2815,
0.3103

■ 5.9376, 0.2181,
0.2674

239.7499, 0.2834,
0.3115

■ 2.8072, 0.1949,
0.2499

289.1251, 0.2852,

■ 1.0319, 0.1573,

0.3126

0.2202

344.8526, 0.2867,
0.3136

0.0000, 0.0000,
0.0000

55.3710, 0.2656,
0.3002

55.3710, 0.2656,
0.3002

49.8309, 0.2508,
0.2890

61.5093, 0.2809,
0.3105

44.8568, 0.2370,
0.2772

68.2630, 0.2964,
0.3200

40.4228, 0.2245,
0.2648

75.6567, 0.3119,
0.3286

36.4980, 0.2136,
0.2520

83.7114, 0.3270,
0.3362

33.0473, 0.2046,
0.2391

89.4902, 0.3314,
0.3435

■ 30.0292, 0.1978,
0.2264

■ 94.0399, 0.3305,
0.3507

■ 27.5104, 0.1929,
0.2145

■ 98.2733, 0.3297,
0.3571

Harmonies

Analogous

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



55.3710, 0.2689, 0.3201



55.3710, 0.2656, 0.3002



55.3710, 0.2742, 0.2890

Triad

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



55.3710, 0.2656, 0.3002



55.3710, 0.3420, 0.3143



55.3710, 0.3312, 0.3732

Complementary

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



55.3710, 0.2656, 0.3002



51.2589, 0.3735, 0.3560

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.



55.3710, 0.3519, 0.3696



55.3710, 0.2656, 0.3002



55.3710, 0.3585, 0.3350

Square

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



55.3710, 0.2656, 0.3002



55.3710, 0.3178, 0.2975



55.3710, 0.3621, 0.3552



55.3710, 0.3062, 0.3638

Rectangle

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



55.3710, 0.2656, 0.3002



55.3710, 0.2858, 0.2874



55.3710, 0.3621, 0.3552



55.3710, 0.3390, 0.3734

Sweetspot

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



55.3732, 0.2656, 0.3002



91.1165, 0.2987, 0.3213



64.8772, 0.2949, 0.3877



19.2093, 0.2965, 0.3200



0.0000, 0.0000, 0.0000



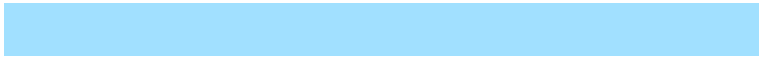
21.4041, 0.3127, 0.3290

Same Dimension

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



55.3732, 0.2656, 0.3002



67.8178, 0.2556, 0.2928



40.8458, 0.2604, 0.2549



14.7617, 0.2982, 0.3210



15.9149, 0.1935, 0.2165



1.2657, 0.1989, 0.2359

Inverse Universe

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



44.5946, 0.3366, 0.2769



51.9837, 0.3435, 0.2653



66.9722, 0.3622, 0.3935



13.8538, 0.3189, 0.3135



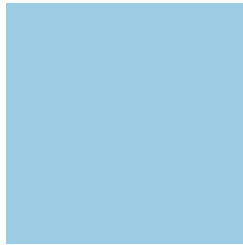
10.5147, 0.4270, 0.2126



0.7452, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 55.3710, 0.2656, 0.3002 looks on a white background.

Color Contrast Check

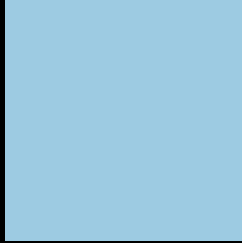
Large Text (above 18pt) WCAG AA × Fail

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 55.3710, 0.2656, 0.3002 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 55.3710, 0.2656, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 55.3710, 0.2656, 0.3002.



This preview shows how white text looks on a background with the Yxy color 55.3710, 0.2656, 0.3002.

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

55.3710, 0.2656, 0.3002

Protanopia

54.9573, 0.2926, 0.2981

Deuteranopia

55.0609, 0.2916, 0.2850



Tritanopia

55.4210, 0.2686, 0.3087

Trichromacy



Original Color

55.3710, 0.2656, 0.3002

Protanomaly

54.7901, 0.2820, 0.2986

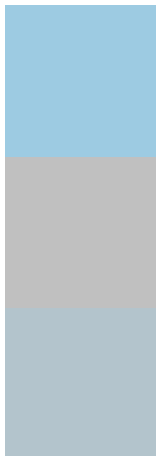
Deuteranomaly

54.8220, 0.2815, 0.2896

Tritanomaly

55.5276, 0.2675, 0.3063

Monochromacy



Original Color

55.3710, 0.2656, 0.3002

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.4232, 0.2939, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3710, 0.2656, 0.3002 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(157, 203, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 203, 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(157, 203, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 203, 226) }
```

Border

The CSS property to change the border of an element to Yxy 55.3710, 0.2656, 0.3002 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(157, 203, 226) }
```

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

```
.border{ border-color:rgb(157, 203, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 203, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 203, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 203, 226);  
box-shadow:4px 4px 4px 4px rgb(157, 203,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3710, 0.2656, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 203, 226) }
```

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

```
.background{ background-color: rgb(157,  
203, 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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