

Converting Colors

$Yxy(55.5017, 0.2565, 0.2871)$

Have a look what the booklet for
Yxy(55.5017, 0.2565, 0.2871)
contains.

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Color

Yxy(55.5017, 0.2565, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	98CBED
RGB	152, 203, 237
RGB Percent	60%, 80%, 93%
CMY	0.4041, 0.2039, 0.0705
CMYK	0.36, 0.14, 0.00, 0.07
HSL	204°, 70%, 76%
HSV	204°, 36%, 93%
XYZ	49.5862, 55.5017, 88.2305
YIQ	191.6270, -41.3100, -0.2380

Conversions

Conversions Part 2

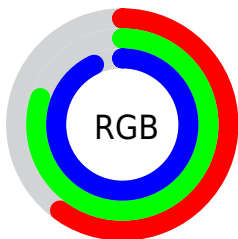
Format	Color
R _Y B	152, 184, 237
Decimal	10013677
CIE _{Lab}	79.33, -8.39, -22.10
CIE _{LCh}	79, 23.638, 249.205
Yxy	55.5017, 0.2565, 0.2871
Android (android.graphics.Color)	4288203757 (0xFF98CBED)
YUV	191.6270, 22.3689, -34.7529
Hunter-Lab	74.4995, -11.5661, -18.0681

Details

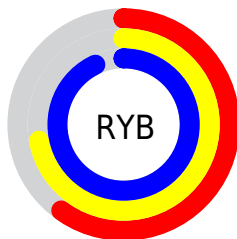
The Yxy color **55.5017, 0.2565, 0.2871** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.3744, 0.3855, 0.3671**, and the grayscale version is **52.3657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **27.3725, 0.2423, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **49.1018, 0.2414, 0.2730**, and if you desaturate by 10%, it is **62.6364, 0.2721, 0.3002**.

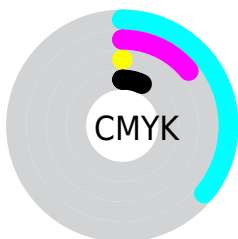
Distribution



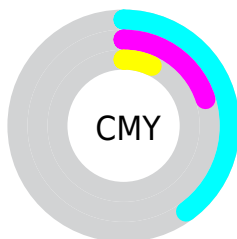
- Red (60%)
- Green (80%)
- Blue (93%)



- Red (60%)
- Yellow (72%)
- Blue (93%)



- Cyan (36%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (40%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5017, 0.2565, 0.2871 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 55.5017, 0.2565, 0.2871 by changing the saturation by 10% instead.

■ 55.5017, 0.2565,
0.2871

■ 55.5017, 0.2565,
0.2871

407.8109, 0.2832,
0.3075

■ 39.8035, 0.2503,
0.2822

■ 98.2756, 0.2659,
0.2944

■ 27.3854, 0.2425,
0.2760

■ 126.1202, 0.2695,
0.2972

■ 17.8629, 0.2326,
0.2680

158.7824, 0.2726,
0.2995

■ 10.8516, 0.2196,
0.2572

196.6465, 0.2753,
0.3016

■ 5.9671, 0.2017,
0.2421

240.0971, 0.2776,
0.3034

■ 2.8251, 0.1759,
0.2194

289.5184, 0.2797,

■ 1.0411, 0.1365,

0.3049

0.1830

345.2948, 0.2815,
0.3063

0.0000, 0.0000,
0.0000

55.5017, 0.2565,
0.2871

55.5017, 0.2565,
0.2871

49.1018, 0.2414,
0.2730

62.6364, 0.2721,
0.3002

43.3979, 0.2273,
0.2582

70.5291, 0.2880,
0.3122

38.3570, 0.2146,
0.2427

79.2100, 0.3036,
0.3231

33.9397, 0.2038,
0.2271

88.7053, 0.3190,
0.3329

30.1007, 0.1950,
0.2115

95.9876, 0.3236,
0.3420

■ 26.7852, 0.1885,
0.1963

■ 98.8953, 0.3232,
0.3463

■ 25.5394, 0.1862,
0.1902

Harmonies

Analogous

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



55.5017, 0.2556, 0.3084



55.5017, 0.2565, 0.2871



55.5017, 0.2715, 0.2779

Triad

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



55.5017, 0.2565, 0.2871



55.5017, 0.3576, 0.3188



55.5017, 0.3253, 0.3825

Complementary

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



55.5017, 0.2565, 0.2871



55.3744, 0.3855, 0.3671

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.



55.5017, 0.3539, 0.3828



55.5017, 0.2565, 0.2871



55.5017, 0.3734, 0.3447

Square

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



55.5017, 0.2565, 0.2871



55.5017, 0.3294, 0.2962



55.5017, 0.3718, 0.3682



55.5017, 0.2943, 0.3655

Rectangle

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



55.5017, 0.2565, 0.2871



55.5017, 0.2881, 0.2789



55.5017, 0.3718, 0.3682



55.5017, 0.3355, 0.3845

Sweetspot

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



55.5039, 0.2565, 0.2871



88.1156, 0.2956, 0.3176



70.7326, 0.2898, 0.3946



18.5641, 0.2935, 0.3161



0.0000, 0.0000, 0.0000



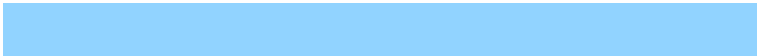
21.4041, 0.3127, 0.3290

Same Dimension

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



55.5039, 0.2565, 0.2871



59.9420, 0.2454, 0.2769



38.5856, 0.2491, 0.2337



16.0529, 0.2981, 0.3194



14.2054, 0.1869, 0.1926



1.3028, 0.1926, 0.2135

Inverse Universe

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



44.7623, 0.3475, 0.2732



46.3293, 0.3573, 0.2619



75.2609, 0.3701, 0.4091



15.2059, 0.3199, 0.3150



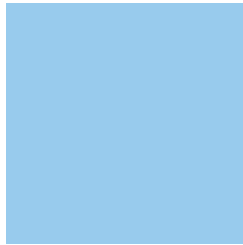
10.9268, 0.4537, 0.2273



0.8769, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 55.5017, 0.2565, 0.2871 looks on a white background.

Color Contrast Check

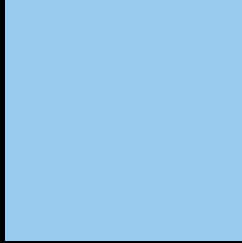
Large Text (above 18pt) WCAG AA × Fail

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 55.5017, 0.2565, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

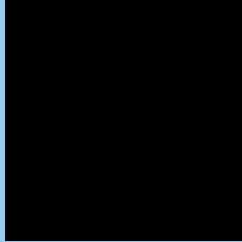
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.5017, 0.2565, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 55.5017, 0.2565, 0.2871.



This preview shows how white text looks on a background with the Yxy color 55.5017, 0.2565, 0.2871.

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

55.5017, 0.2565, 0.2871

Protanopia

55.1719, 0.2831, 0.2855

Deuteranopia

55.2687, 0.2806, 0.2749



Tritanopia

55.7124, 0.2629, 0.3086

Trichromacy



Original Color

55.5017, 0.2565, 0.2871

Protanomaly

55.0458, 0.2730, 0.2858

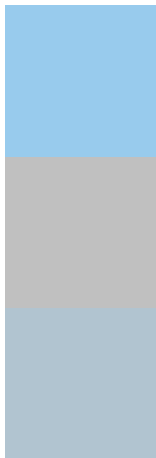
Deuteranomaly

55.1179, 0.2712, 0.2793

Tritanomaly

55.5983, 0.2606, 0.3012

Monochromacy



Original Color

55.5017, 0.2565, 0.2871

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.3810, 0.2897, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5017, 0.2565, 0.2871 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(152, 203, 237)` looks like.

```
.text, #text, p{  
    color:rgb(152, 203, 237)  
}
```

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(152, 203, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 203, 237) }
```

Border

The CSS property to change the border of an element to Yxy 55.5017, 0.2565, 0.2871 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(152, 203, 237) }
```

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

```
.border{ border-color:rgb(152, 203, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 203, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 203, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 203, 237);  
box-shadow:4px 4px 4px 4px rgb(152, 203,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5017, 0.2565, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 203, 237) }
```

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

```
.background{ background-color: rgb(152,  
203, 237) }
```

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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