

Converting Colors

$Y_{xy}(55.2874, 0.2751, 0.2889)$

Have a look what the booklet for
Yxy(55.2874, 0.2751, 0.2889)
contains.

Yxy(55.5048, 0.2750, 0.2894)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.5048, 0.2750, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	B1C6E7
RGB	177, 198, 231
RGB Percent	69%, 78%, 91%
CMY	0.3061, 0.2235, 0.0941
CMYK	0.23, 0.14, 0.00, 0.09
HSL	217°, 53%, 80%
HSV	217°, 23%, 91%
XYZ	52.7430, 55.5048, 83.5449
YIQ	195.4830, -23.1090, 5.8110

Conversions

Conversions Part 2

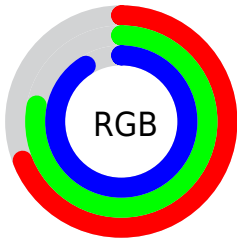
Format	Color
RYB	177, 192, 231
Decimal	11650791
CIELab	79.33, -0.03, -18.73
CIElCh	79, 18.734, 269.899
Yxy	55.5048, 0.2750, 0.2894
Android (android.graphics.Color)	4289840871 (0xFFB1C6E7)
YUV	195.4830, 17.5099, -16.2096
Hunter-Lab	74.5015, -4.0095, -14.3358

Details

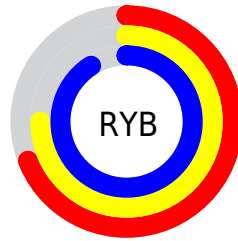
The Yxy color **55.5048, 0.2750, 0.2894** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.2356, 0.3529, 0.3656**, and the grayscale version is **54.7775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **27.2526, 0.2652, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **46.8705, 0.2577, 0.2694**, and if you desaturate by 10%, it is **65.2030, 0.2917, 0.3076**.

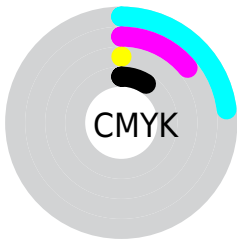
Distribution



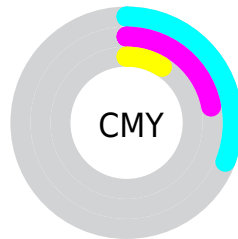
- Red (69%)
- Green (78%)
- Blue (91%)



- Red (69%)
- Yellow (75%)
- Blue (91%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5048, 0.2750, 0.2894 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 55.5048, 0.2750, 0.2894 by changing the saturation by 10% instead.

■ 55.5048, 0.2750,
0.2894

■ 55.5048, 0.2750,
0.2894

407.8226, 0.2931,
0.3084

■ 39.8060, 0.2707,
0.2849

■ 98.2802, 0.2814,
0.2961

■ 27.3873, 0.2653,
0.2792

126.1256, 0.2839,
0.2987

■ 17.8643, 0.2584,
0.2719

158.7886, 0.2860,
0.3009

■ 10.8526, 0.2491,
0.2622

196.6537, 0.2878,
0.3028

■ 5.9678, 0.2361,
0.2485

240.1053, 0.2894,
0.3045

■ 2.8255, 0.2167,
0.2281

289.5277, 0.2908,

■ 1.0413, 0.1852,

0.3060

0.1951

345.3053, 0.2920,
0.3073

0.0000, 0.0000,
0.0000

55.5048, 0.2750,
0.2894

55.5048, 0.2750,
0.2894

46.8705, 0.2577,
0.2694

65.2030, 0.2917,
0.3076

39.2541, 0.2403,
0.2476

75.9956, 0.3076,
0.3239

32.6155, 0.2232,
0.2246

87.9200, 0.3224,
0.3383

26.9093, 0.2071,
0.2008

98.1833, 0.3268,
0.3517

22.0856, 0.1927,
0.1771

98.5504, 0.3268,
0.3522

■ 18.0888, 0.1807,
0.1543

■ 14.8542, 0.1715,
0.1333

■ 13.0811, 0.1669,
0.1207

Harmonies

Analogous

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



55.5048, 0.2663, 0.3003



55.5048, 0.2750, 0.2894



55.5048, 0.2938, 0.2889

Triad

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



55.5048, 0.2750, 0.2894



55.5048, 0.3581, 0.3354



55.5048, 0.3058, 0.3630

Complementary

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



55.5048, 0.2750, 0.2894



66.2356, 0.3529, 0.3656

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.



55.5048, 0.3305, 0.3726



55.5048, 0.2750, 0.2894



55.5048, 0.3614, 0.3553

Square

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



55.5048, 0.2750, 0.2894



55.5048, 0.3421, 0.3149



55.5048, 0.3511, 0.3693



55.5048, 0.2835, 0.3431

Rectangle

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



55.5048, 0.2750, 0.2894



55.5048, 0.3098, 0.2941



55.5048, 0.3511, 0.3693



55.5048, 0.3141, 0.3676

Sweetspot

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



55.5070, 0.2750, 0.2894



90.0140, 0.3019, 0.3182



71.1248, 0.2904, 0.3545



19.0894, 0.3009, 0.3172



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.



55.5070, 0.2750, 0.2894



64.1553, 0.2668, 0.2801



47.1865, 0.2769, 0.2639



14.8033, 0.2981, 0.3143



7.5567, 0.1677, 0.1237



0.7346, 0.1758, 0.1528

Inverse Universe

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



52.4962, 0.3426, 0.3055



60.0989, 0.3505, 0.3005



76.4382, 0.3440, 0.3881



14.4605, 0.3231, 0.3199



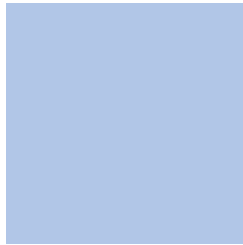
9.9606, 0.5415, 0.2756



0.7538, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 55.5048, 0.2750, 0.2894 looks on a white background.

Color Contrast Check

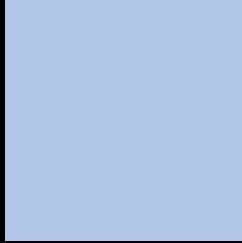
Large Text (above 18pt) WCAG AA × Fail

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 55.5048, 0.2750, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

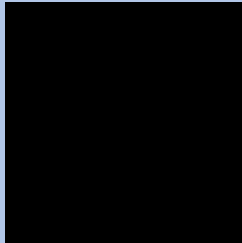
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

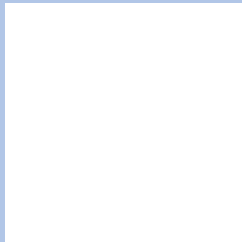
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.5048, 0.2750, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 55.5048, 0.2750, 0.2894.



This preview shows how white text looks on a background with the Yxy color 55.5048, 0.2750, 0.2894.

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

55.5048, 0.2750, 0.2894

Protanopia

55.6345, 0.2852, 0.2890

Deuteranopia

55.5312, 0.2888, 0.2829



Tritanopia

55.2651, 0.2826, 0.3092

Trichromacy



Original Color

55.5048, 0.2750, 0.2894

Protanomaly

55.5073, 0.2810, 0.2887

Deuteranomaly

55.3569, 0.2831, 0.2845

Tritanomaly

55.1813, 0.2800, 0.3020

Monochromacy



Original Color

55.5048, 0.2750, 0.2894

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.7253, 0.2979, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5048, 0.2750, 0.2894 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(177, 198, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 198, 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(177, 198, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 198, 231) }
```

Border

The CSS property to change the border of an element to Yxy 55.5048, 0.2750, 0.2894 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(177, 198, 231) }
```

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

```
.border{ border-color:rgb(177, 198, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 198, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 198, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 198, 231); box-shadow:4px 4px 4px 4px rgb(177, 198, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5048, 0.2750, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 198, 231) }
```

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

```
.background{ background-color: rgb(177,  
198, 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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