

Converting Colors

$Y_{xy}(55.6131, 0.2732, 0.2874)$

Have a look what the booklet for
Yxy(55.6131, 0.2732, 0.2874)
contains.

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Color

Yxy(55.5015, 0.2731, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	B0C6E9
RGB	176, 198, 233
RGB Percent	69%, 78%, 91%
CMY	0.3101, 0.2234, 0.0863
CMYK	0.24, 0.15, 0.00, 0.09
HSL	217°, 56%, 80%
HSV	217°, 24%, 91%
XYZ	52.7951, 55.5015, 85.0211
YIQ	195.4120, -24.3470, 6.2210

Conversions

Conversions Part 2

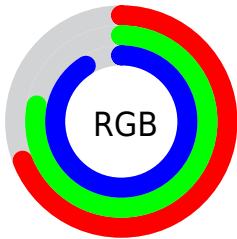
Format	Color
RYB	176, 192, 233
Decimal	11585257
CIELab	79.33, 0.11, -19.81
CIELCh	79, 19.810, 270.319
Yxy	55.5015, 0.2731, 0.2871
Android (android.graphics.Color)	4289775337 (0xFFB0C6E9)
YUV	195.4120, 18.5309, -17.0243
Hunter-Lab	74.4993, -3.8772, -15.5142

Details

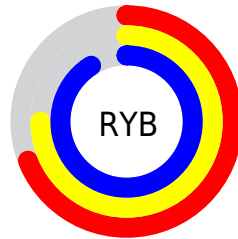
The Yxy color **55.5015, 0.2731, 0.2871** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.0015, 0.3550, 0.3676**, and the grayscale version is **54.7249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **27.2584, 0.2628, 0.2762** is the 20% darker color. If you saturate the color by 10%, you get **46.7929, 0.2558, 0.2668**, and if you desaturate by 10%, it is **65.2963, 0.2899, 0.3056**.

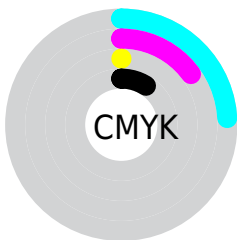
Distribution



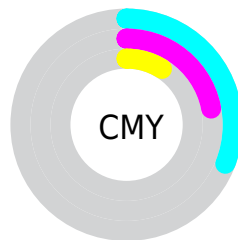
- Red (69%)
- Green (78%)
- Blue (91%)



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



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5015, 0.2731, 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 55.5015, 0.2731, 0.2871 by changing the saturation by 10% instead.

■ 55.5015, 0.2731,
0.2871

■ 55.5015, 0.2731,
0.2871

407.8101, 0.2921,
0.3072

■ 39.8034, 0.2686,
0.2823

■ 98.2753, 0.2798,
0.2942

■ 27.3853, 0.2629,
0.2764

126.1199, 0.2824,
0.2969

■ 17.8628, 0.2557,
0.2687

158.7820, 0.2846,
0.2993

■ 10.8515, 0.2460,
0.2584

196.6461, 0.2865,
0.3013

■ 5.9671, 0.2324,
0.2441

240.0965, 0.2882,
0.3031

■ 2.8251, 0.2123,
0.2229

289.5178, 0.2897,

■ 1.0411, 0.1800,

0.3046

0.1888

345.2942, 0.2910,
0.3060

0.0000, 0.0000,
0.0000

55.5015, 0.2731,
0.2871

55.5015, 0.2731,
0.2871

46.7929, 0.2558,
0.2668

65.2963, 0.2899,
0.3056

39.1231, 0.2383,
0.2448

76.2091, 0.3059,
0.3222

32.4507, 0.2212,
0.2215

88.2783, 0.3208,
0.3369

26.7286, 0.2052,
0.1976

98.6633, 0.3256,
0.3503

21.9050, 0.1910,
0.1738

■ 17.9220, 0.1793,
0.1511

■ 14.7119, 0.1705,
0.1303

■ 13.2263, 0.1667,
0.1199

Harmonies

Analogous

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



55.5015, 0.2637, 0.2983



55.5015, 0.2731, 0.2871



55.5015, 0.2930, 0.2868

Triad

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



55.5015, 0.2731, 0.2871



55.5015, 0.3609, 0.3360



55.5015, 0.3050, 0.3648

Complementary

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



55.5015, 0.2731, 0.2871



67.0015, 0.3550, 0.3676

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.



55.5015, 0.3311, 0.3751



55.5015, 0.2731, 0.2871



55.5015, 0.3641, 0.3569

Square

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



55.5015, 0.2731, 0.2871



55.5015, 0.3441, 0.3143



55.5015, 0.3530, 0.3717



55.5015, 0.2816, 0.3436

Rectangle

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



55.5015, 0.2731, 0.2871



55.5015, 0.3100, 0.2924



55.5015, 0.3530, 0.3717



55.5015, 0.3137, 0.3697

Sweetspot

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



55.5037, 0.2731, 0.2871



89.9871, 0.3019, 0.3181



72.1628, 0.2894, 0.3559



19.0832, 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.



55.5037, 0.2731, 0.2871



62.9811, 0.2651, 0.2779



46.8095, 0.2750, 0.2604



15.5049, 0.2980, 0.3142



7.7279, 0.1674, 0.1228



0.7885, 0.1751, 0.1503

Inverse Universe

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



52.4269, 0.3445, 0.3045



58.9649, 0.3524, 0.2996



77.7894, 0.3455, 0.3910



15.1506, 0.3232, 0.3199



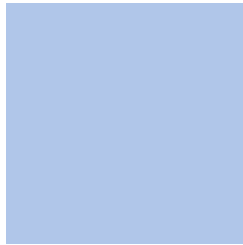
10.2729, 0.5427, 0.2763



0.8250, 0.5055, 0.2558

Previews

White Background



This preview shows how the Yxy color 55.5015, 0.2731, 0.2871 looks on a white background.

Color Contrast Check

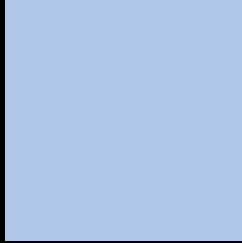
Large Text (above 18pt) WCAG AA × Fail

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 55.5015, 0.2731, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

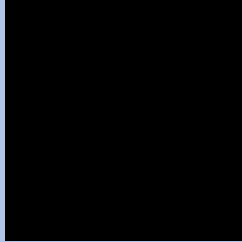
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

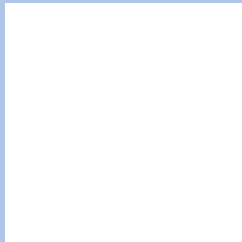
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.5015, 0.2731, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 55.5015, 0.2731, 0.2871.



This preview shows how white text looks on a background with the Yxy color 55.5015, 0.2731, 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

55.5015, 0.2731, 0.2871

Protanopia

55.6186, 0.2831, 0.2867

Deuteranopia

55.5101, 0.2868, 0.2806



Tritanopia

55.6673, 0.2813, 0.3092

Trichromacy



Original Color

55.5015, 0.2731, 0.2871

Protanomaly

55.4964, 0.2790, 0.2864

Deuteranomaly

55.3429, 0.2811, 0.2822

Tritanomaly

55.6349, 0.2781, 0.3009

Monochromacy



Original Color

55.5015, 0.2731, 0.2871

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.7747, 0.2972, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5015, 0.2731, 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(176, 198, 233)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 233)  
}
```

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(176, 198, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 233) }
```

Border

The CSS property to change the border of an element to Yxy 55.5015, 0.2731, 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(176, 198, 233) }
```

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

```
.border{ border-color:rgb(176, 198, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 198, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 198, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 198, 233);  
box-shadow:4px 4px 4px 4px rgb(176, 198,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5015, 0.2731, 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(176, 198, 233) }
```

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

```
.background{ background-color: rgb(176,  
198, 233) }
```

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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