

Converting Colors

$Y_{xy}(55.3130, 0.2723, 0.2885)$

Have a look what the booklet for
Yxy(55.3130, 0.2723, 0.2885)
contains.

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Color

Yxy(55.2130, 0.2724, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	AEC6E8
RGB	174, 198, 232
RGB Percent	68%, 78%, 91%
CMY	0.3178, 0.2235, 0.0903
CMYK	0.25, 0.15, 0.00, 0.09
HSL	215°, 56%, 80%
HSV	215°, 25%, 91%
XYZ	52.2042, 55.2130, 84.2281
YIQ	194.7000, -25.2180, 5.4860

Conversions

Conversions Part 2

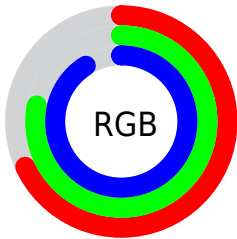
Format	Color
RYB	174, 191, 232
Decimal	11454184
CIELab	79.16, -0.72, -19.52
CIElCh	79, 19.533, 267.901
Yxy	55.2130, 0.2724, 0.2881
Android (android.graphics.Color)	4289644264 (0xFFAEC6E8)
YUV	194.7000, 18.3889, -18.1539
Hunter-Lab	74.3055, -4.6273, -15.1937

Details

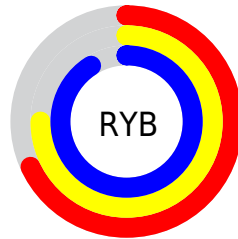
The Yxy color **55.2130, 0.2724, 0.2881** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.2732, 0.3564, 0.3667**, and the grayscale version is **54.2817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **27.0742, 0.2619, 0.2774** is the 20% darker color. If you saturate the color by 10%, you get **46.8463, 0.2553, 0.2686**, and if you desaturate by 10%, it is **64.6005, 0.2891, 0.3058**.

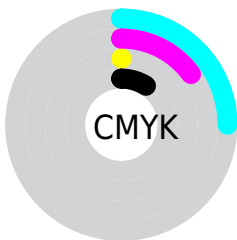
Distribution



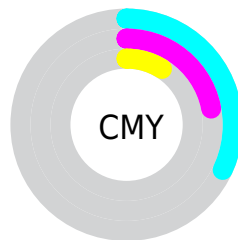
- Red (68%)
- Green (78%)
- Blue (91%)



- Red (68%)
- Yellow (75%)
- Blue (91%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (32%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2130, 0.2724, 0.2881 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 55.2130, 0.2724, 0.2881 by changing the saturation by 10% instead.

■ 55.2130, 0.2724,
0.2881

■ 55.2130, 0.2724,
0.2881

406.7188, 0.2918,
0.3078

■ 39.5723, 0.2678,
0.2834

■ 97.8530, 0.2793,
0.2951

■ 27.2052, 0.2621,
0.2776

125.6210, 0.2819,
0.2977

■ 17.7274, 0.2547,
0.2700

158.2003, 0.2841,
0.3000

■ 10.7545, 0.2448,
0.2599

195.9752, 0.2861,
0.3020

■ 5.9020, 0.2310,
0.2457

239.3301, 0.2878,
0.3037

■ 2.7856, 0.2105,
0.2246

288.6494, 0.2893,

■ 1.0208, 0.1775,

0.3052

0.1905

344.3175, 0.2906,
0.3066

■ 0.0000, 0.0000,
0.0000

■ 55.2130, 0.2724,
0.2881

■ 55.2130, 0.2724,
0.2881

■ 46.8463, 0.2553,
0.2686

■ 64.6005, 0.2891,
0.3058

■ 39.4556, 0.2381,
0.2476

■ 75.0380, 0.3051,
0.3217

■ 33.0022, 0.2214,
0.2254

■ 86.5619, 0.3201,
0.3358

■ 27.4418, 0.2059,
0.2025

■ 96.9084, 0.3265,
0.3488

■ 22.7257, 0.1922,
0.1797

■ 98.6046, 0.3262,
0.3513

■ 18.7991, 0.1809,
0.1577

■ 15.5978, 0.1724,
0.1375

■ 14.2293, 0.1689,
0.1281

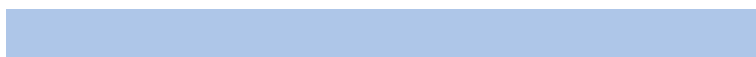
Harmonies

Analogous

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



55.2130, 0.2641, 0.3001



55.2130, 0.2724, 0.2881



55.2130, 0.2913, 0.2869

Triad

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



55.2130, 0.2724, 0.2881



55.2130, 0.3594, 0.3342



55.2130, 0.3071, 0.3656

Complementary

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



55.2130, 0.2724, 0.2881



65.2732, 0.3564, 0.3667

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.



55.2130, 0.3329, 0.3748



55.2130, 0.2724, 0.2881



55.2130, 0.3638, 0.3551

Square

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



55.2130, 0.2724, 0.2881



55.2130, 0.3419, 0.3129



55.2130, 0.3539, 0.3704



55.2130, 0.2836, 0.3453

Rectangle

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



55.2130, 0.2724, 0.2881



55.2130, 0.3079, 0.2919



55.2130, 0.3539, 0.3704



55.2130, 0.3158, 0.3701

Sweetspot

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



55.2152, 0.2724, 0.2881



88.9519, 0.3003, 0.3171



71.2355, 0.2895, 0.3577



18.6154, 0.2979, 0.3147



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.



55.2152, 0.2724, 0.2881



62.9507, 0.2636, 0.2783



45.6388, 0.2733, 0.2586



14.8643, 0.2981, 0.3149



8.1367, 0.1698, 0.1311



0.7810, 0.1777, 0.1598

Inverse Universe

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



51.4846, 0.3439, 0.3022



57.9647, 0.3524, 0.2964



77.1052, 0.3469, 0.3921



14.4666, 0.3228, 0.3193



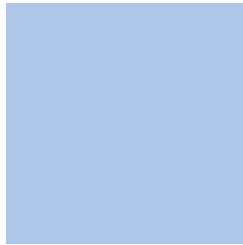
10.0191, 0.5312, 0.2700



0.7585, 0.4933, 0.2491

Previews

White Background



This preview shows how the Yxy color 55.2130, 0.2724, 0.2881 looks on a white background.

Color Contrast Check

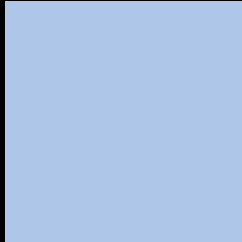
Large Text (above 18pt) WCAG AA × Fail

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 55.2130, 0.2724, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

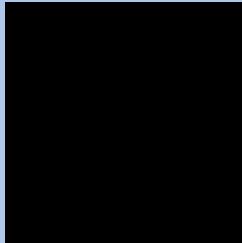
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

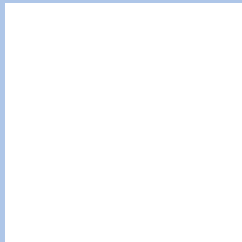
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2130, 0.2724, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 55.2130, 0.2724, 0.2881.



This preview shows how white text looks on a background with the Yxy color 55.2130, 0.2724, 0.2881.

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

55.2130, 0.2724, 0.2881

Protanopia

55.0595, 0.2844, 0.2877

Deuteranopia

54.8806, 0.2867, 0.2804



Tritanopia

55.4410, 0.2799, 0.3091

Trichromacy



Original Color

55.2130, 0.2724, 0.2881

Protanomaly

54.9337, 0.2802, 0.2874

Deuteranomaly

55.1581, 0.2811, 0.2832

Tritanomaly

55.3531, 0.2774, 0.3020

Monochromacy



Original Color

55.2130, 0.2724, 0.2881

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.5987, 0.2972, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2130, 0.2724, 0.2881 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(174, 198, 232)` looks like.

```
.text, #text, p{  
    color:rgb(174, 198, 232)  
}
```

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(174, 198, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 198, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.2130, 0.2724, 0.2881 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(174, 198, 232) }
```

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

```
.border{ border-color:rgb(174, 198, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 198, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 198, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 198, 232); box-shadow:4px 4px 4px 4px rgb(174, 198, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2130, 0.2724, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 198, 232) }
```

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

```
.background{ background-color: rgb(174,  
198, 232) }
```

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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