

Converting Colors

$Yxy(55.1624, 0.2705, 0.2901)$

Have a look what the booklet for
Yxy(55.1624, 0.2705, 0.2901)
contains.

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Color

Yxy(55.1624, 0.2705, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	AAC7E7
RGB	170, 199, 231
RGB Percent	67%, 78%, 91%
CMY	0.3331, 0.2197, 0.0940
CMYK	0.26, 0.14, 0.00, 0.09
HSL	212°, 56%, 79%
HSV	212°, 26%, 91%
XYZ	51.4355, 55.1624, 83.5517
YIQ	193.9770, -27.5560, 3.8040

Conversions

Conversions Part 2

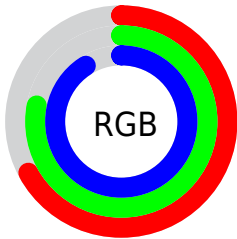
Format	Color
RYB	170, 190, 231
Decimal	11192295
CIELab	79.13, -2.61, -19.08
CIELCh	79, 19.255, 262.210
Yxy	55.1624, 0.2705, 0.2901
Android (android.graphics.Color)	4289382375 (0xFFAAC7E7)
YUV	193.9770, 18.2523, -21.0278
Hunter-Lab	74.2714, -6.3576, -14.7084

Details

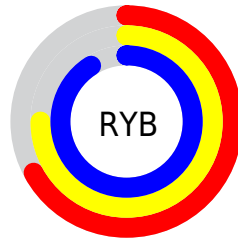
The Yxy color **55.1624, 0.2705, 0.2901** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.1789, 0.3602, 0.3650**, and the grayscale version is **53.8437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **27.0589, 0.2595, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **47.4467, 0.2538, 0.2726**, and if you desaturate by 10%, it is **63.7805, 0.2870, 0.3061**.

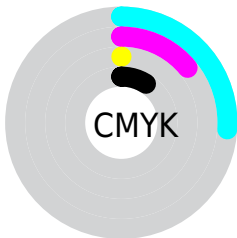
Distribution



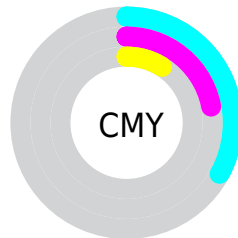
- Red (67%)
- Green (78%)
- Blue (91%)



- Red (67%)
- Yellow (75%)
- Blue (91%)



- Cyan (26%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (33%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1624, 0.2705, 0.2901 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 55.1624, 0.2705, 0.2901 by changing the saturation by 10% instead.

■ 55.1624, 0.2705,
0.2901

■ 55.1624, 0.2705,
0.2901

406.5272, 0.2907,
0.3089

■ 39.5318, 0.2657,
0.2856

■ 97.7789, 0.2777,
0.2968

■ 27.1737, 0.2597,
0.2800

125.5335, 0.2804,
0.2993

■ 17.7037, 0.2520,
0.2727

158.0982, 0.2827,
0.3015

■ 10.7375, 0.2417,
0.2629

195.8574, 0.2848,
0.3034

■ 5.8906, 0.2273,
0.2491

239.1955, 0.2866,
0.3050

■ 2.7787, 0.2061,
0.2284

288.4969, 0.2881,

■ 1.0173, 0.1720,

0.3065

0.1947

344.1460, 0.2895,
0.3078

0.0000, 0.0000,
0.0000

55.1624, 0.2705,
0.2901

55.1624, 0.2705,
0.2901

47.4467, 0.2538,
0.2726

63.7805, 0.2870,
0.3061

40.5928, 0.2374,
0.2537

73.3263, 0.3029,
0.3206

34.5664, 0.2217,
0.2337

83.8323, 0.3181,
0.3335

29.3276, 0.2072,
0.2131

93.8838, 0.3275,
0.3451

24.8327, 0.1946,
0.1925

98.5507, 0.3268,
0.3522

■ 21.0315, 0.1843,
0.1724

■ 17.8640, 0.1766,
0.1535

■ 16.8447, 0.1742,
0.1470

Harmonies

Analogous

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



55.1624, 0.2645, 0.3038



55.1624, 0.2705, 0.2901



55.1624, 0.2874, 0.2869

Triad

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



55.1624, 0.2705, 0.2901



55.1624, 0.3564, 0.3300



55.1624, 0.3121, 0.3678

Complementary

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



55.1624, 0.2705, 0.2901



62.1789, 0.3602, 0.3650

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.



55.1624, 0.3371, 0.3743



55.1624, 0.2705, 0.2901



55.1624, 0.3634, 0.3511

Square

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



55.1624, 0.2705, 0.2901



55.1624, 0.3372, 0.3095



55.1624, 0.3561, 0.3676



55.1624, 0.2879, 0.3495

Rectangle

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



55.1624, 0.2705, 0.2901



55.1624, 0.3031, 0.2906



55.1624, 0.3561, 0.3676



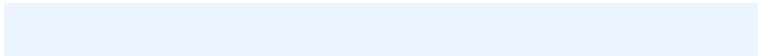
55.1624, 0.3207, 0.3715

Sweetspot

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



55.1646, 0.2705, 0.2901



89.6851, 0.3003, 0.3183



69.9586, 0.2907, 0.3646



18.7997, 0.2979, 0.3162



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.



55.1646, 0.2705, 0.2901



63.2999, 0.2609, 0.2801



43.2072, 0.2678, 0.2536



15.0097, 0.2981, 0.3163



9.6864, 0.1750, 0.1498



0.9007, 0.1825, 0.1771

Inverse Universe

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



49.8858, 0.3429, 0.2967



56.0606, 0.3517, 0.2892



76.8912, 0.3518, 0.3950



14.4813, 0.3218, 0.3179



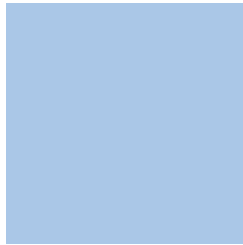
10.1756, 0.5062, 0.2562



0.7706, 0.4720, 0.2374

Previews

White Background



This preview shows how the Yxy color 55.1624, 0.2705, 0.2901 looks on a white background.

Color Contrast Check

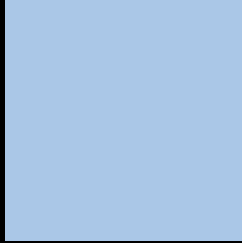
Large Text (above 18pt) WCAG AA × Fail

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 55.1624, 0.2705, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

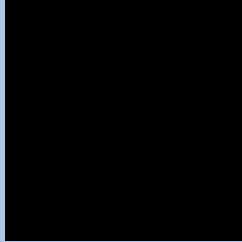
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

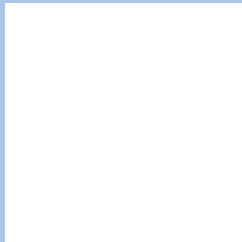
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1624, 0.2705, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 55.1624, 0.2705, 0.2901.



This preview shows how white text looks on a background with the Yxy color 55.1624, 0.2705, 0.2901.

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

55.1624, 0.2705, 0.2901

Protanopia

55.0038, 0.2850, 0.2888

Deuteranopia

54.8806, 0.2867, 0.2804



Tritanopia

54.9985, 0.2772, 0.3090

Trichromacy



Original Color

55.1624, 0.2705, 0.2901

Protanomaly

55.0821, 0.2795, 0.2896

Deuteranomaly

54.9746, 0.2810, 0.2842

Tritanomaly

54.9073, 0.2747, 0.3017

Monochromacy



Original Color

55.1624, 0.2705, 0.2901

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.2991, 0.2963, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1624, 0.2705, 0.2901 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(170, 199, 231)` looks like.

```
.text, #text, p{  
    color:rgb(170, 199, 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(170, 199, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 199, 231) }
```

Border

The CSS property to change the border of an element to Yxy 55.1624, 0.2705, 0.2901 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(170, 199, 231) }
```

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

```
.border{ border-color:rgb(170, 199, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 199, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 199, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 199, 231);  
box-shadow:4px 4px 4px 4px rgb(170, 199,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1624, 0.2705, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 199, 231) }
```

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

```
.background{ background-color: rgb(170,  
199, 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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