

Converting Colors

$Yxy(55.9947, 0.2647, 0.2856)$

Have a look what the booklet for
Yxy(55.9947, 0.2647, 0.2856)
contains.

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Color

Yxy(55.9947, 0.2647, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	A6C9ED
RGB	166, 201, 237
RGB Percent	65%, 79%, 93%
CMY	0.3489, 0.2117, 0.0707
CMYK	0.30, 0.15, 0.00, 0.07
HSL	210°, 66%, 79%
HSV	210°, 30%, 93%
XYZ	51.8970, 55.9947, 88.1681
YIQ	194.6390, -32.4160, 3.7760

Conversions

Conversions Part 2

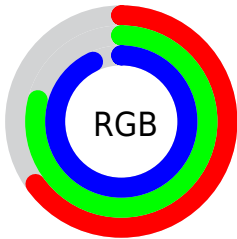
Format	Color
RYB	166, 189, 237
Decimal	10930669
CIELab	79.61, -3.45, -21.57
CIELCh	80, 21.842, 260.921
Yxy	55.9947, 0.2647, 0.2856
Android (android.graphics.Color)	4289120749 (0xFFA6C9ED)
YUV	194.6390, 20.8840, -25.1164
Hunter-Lab	74.8296, -7.1556, -17.4778

Details

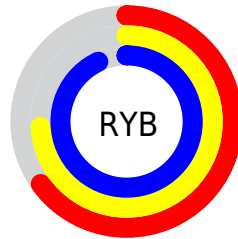
The Yxy color **55.9947, 0.2647, 0.2856** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.9854, 0.3683, 0.3687**, and the grayscale version is **54.2376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **27.6484, 0.2525, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **48.2840, 0.2482, 0.2682**, and if you desaturate by 10%, it is **64.6197, 0.2812, 0.3016**.

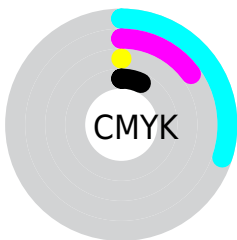
Distribution



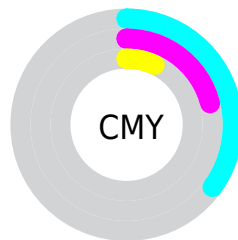
- Red (65%)
- Green (79%)
- Blue (93%)



- Red (65%)
- Yellow (74%)
- Blue (93%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)




- Cyan (35%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9947, 0.2647, 0.2856 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 55.9947, 0.2647, 0.2856 by changing the saturation by 10% instead.


 55.9947, 0.2647,
0.2856


 55.9947, 0.2647,
0.2856


409.6715, 0.2876,
0.3065

 40.1987, 0.2593,
0.2806


 98.9968, 0.2728,
0.2930

 27.6935, 0.2526,
0.2744


 126.9717, 0.2759,
0.2959

 18.0947, 0.2440,
0.2664


159.7750, 0.2785,
0.2983

 11.0180, 0.2327,
0.2557

197.7911, 0.2808,
0.3004

 6.0790, 0.2170,
0.2407

241.4044, 0.2828,
0.3022

 2.8932, 0.1941,
0.2186

290.9993, 0.2846,

 1.0762, 0.1584,

0.3038

0.1833

346.9602, 0.2862,
0.3052

0.0000, 0.0000,
0.0000

55.9947, 0.2647,
0.2856

55.9947, 0.2647,
0.2856

48.2840, 0.2482,
0.2682

64.6197, 0.2812,
0.3016

41.4449, 0.2322,
0.2496

74.1858, 0.2973,
0.3161

35.4409, 0.2171,
0.2300

84.7270, 0.3128,
0.3291

30.2296, 0.2035,
0.2101

95.1554, 0.3238,
0.3407

25.7636, 0.1919,
0.1902

98.8926, 0.3232,
0.3464

■ 21.9881, 0.1827,
0.1710

■ 18.8182, 0.1758,
0.1529

■ 18.8007, 0.1758,
0.1528

Harmonies

Analogous

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



55.9947, 0.2586, 0.3013



55.9947, 0.2647, 0.2856



55.9947, 0.2832, 0.2816

Triad

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



55.9947, 0.2647, 0.2856



55.9947, 0.3614, 0.3289



55.9947, 0.3131, 0.3737

Complementary

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



55.9947, 0.2647, 0.2856



62.9854, 0.3683, 0.3687

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.



55.9947, 0.3413, 0.3802



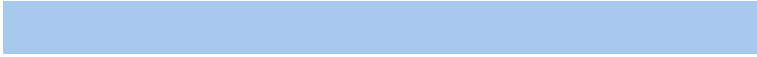
55.9947, 0.2647, 0.2856



55.9947, 0.3700, 0.3527

Square

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



55.9947, 0.2647, 0.2856



55.9947, 0.3391, 0.3062



55.9947, 0.3624, 0.3718



55.9947, 0.2857, 0.3532

Rectangle

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



55.9947, 0.2647, 0.2856



55.9947, 0.3006, 0.2855



55.9947, 0.3624, 0.3718



55.9947, 0.3228, 0.3776

Sweetspot

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



55.9969, 0.2647, 0.2856



88.7052, 0.2987, 0.3173



72.8991, 0.2886, 0.3716



18.6148, 0.2964, 0.3153



0.0000, 0.0000, 0.0000



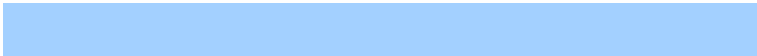
21.4041, 0.3127, 0.3290

Same Dimension

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



55.9969, 0.2647, 0.2856



60.3678, 0.2545, 0.2750



41.5006, 0.2597, 0.2414



15.7756, 0.2981, 0.3167



10.5294, 0.1766, 0.1557



1.0190, 0.1836, 0.1810

Inverse Universe

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



49.4954, 0.3470, 0.2906



52.1026, 0.3568, 0.2824



81.3027, 0.3579, 0.4038



15.1779, 0.3216, 0.3174



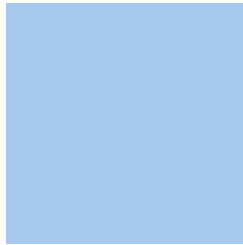
10.5558, 0.4985, 0.2520



0.8483, 0.4673, 0.2348

Previews

White Background



This preview shows how the Yxy color 55.9947, 0.2647, 0.2856 looks on a white background.

Color Contrast Check

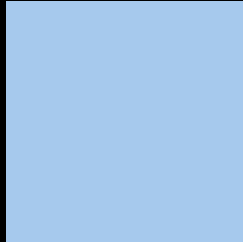
Large Text (above 18pt) WCAG AA × Fail

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 55.9947, 0.2647, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

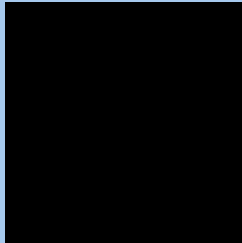
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

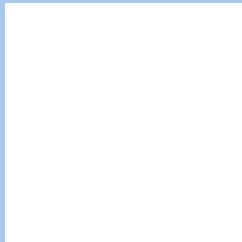
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9947, 0.2647, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 55.9947, 0.2647, 0.2856.



This preview shows how white text looks on a background with the Yxy color 55.9947, 0.2647, 0.2856.

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

55.9947, 0.2647, 0.2856

Protanopia

55.7322, 0.2819, 0.2845

Deuteranopia

55.9740, 0.2821, 0.2763



Tritanopia

56.0344, 0.2724, 0.3090

Trichromacy



Original Color

55.9947, 0.2647, 0.2856

Protanomaly

55.6968, 0.2758, 0.2852

Deuteranomaly

55.8432, 0.2753, 0.2798

Tritanomaly

55.9894, 0.2694, 0.3005

Monochromacy



Original Color

55.9947, 0.2647, 0.2856

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.7760, 0.2936, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9947, 0.2647, 0.2856 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(166, 201, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 201, 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(166, 201, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 201, 237) }
```

Border

The CSS property to change the border of an element to Yxy 55.9947, 0.2647, 0.2856 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(166, 201, 237) }
```

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

```
.border{ border-color:rgb(166, 201, 237) }
```

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

Here you see how a box with a 4 pixel rgb(166, 201, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 201, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 201, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 201,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9947, 0.2647, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 201, 237) }
```

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

```
.background{ background-color: rgb(166,  
201, 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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