

Converting Colors

$Y_{xy}(54.5780, 0.2666, 0.2870)$

Have a look what the booklet for
Yxy(54.5780, 0.2666, 0.2870)
contains.

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Color

Yxy(54.3784, 0.2666, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	A6C6E9
RGB	166, 198, 233
RGB Percent	65%, 78%, 91%
CMY	0.3488, 0.2236, 0.0863
CMYK	0.29, 0.15, 0.00, 0.09
HSL	211°, 60%, 78%
HSV	211°, 29%, 91%
XYZ	50.6367, 54.3784, 84.9200
YIQ	192.4220, -30.3070, 4.1010

Conversions

Conversions Part 2

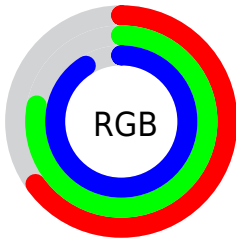
Format	Color
R _Y B	166, 188, 233
Decimal	10929897
CIE Lab	78.68, -2.78, -20.85
CIE LCh	79, 21.037, 262.411
Yxy	54.3784, 0.2666, 0.2863
Android (android.graphics.Color)	4289119977 (0xFFA6C6E9)
YUV	192.4220, 20.0050, -23.1721
Hunter-Lab	73.7417, -6.4763, -16.6584

Details

The Yxy color **54.3784, 0.2666, 0.2863** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.8855, 0.3652, 0.3682**, and the grayscale version is **52.8726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **26.5656, 0.2546, 0.2751** is the 20% darker color. If you saturate the color by 10%, you get **46.7370, 0.2500, 0.2685**, and if you desaturate by 10%, it is **62.9286, 0.2831, 0.3026**.

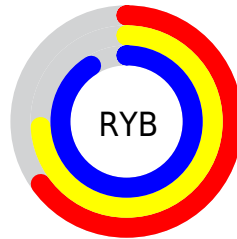
Distribution



Red (65%)

Green (78%)

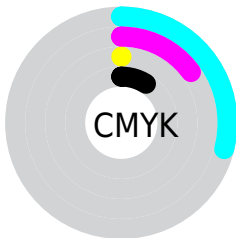
Blue (91%)



Red (65%)

Yellow (74%)

Blue (91%)

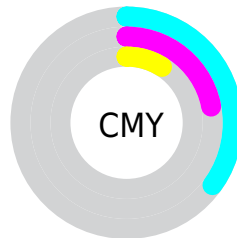


Cyan (29%)

Magenta (15%)

Yellow (0%)

Black (9%)



Cyan (35%)

Magenta (22%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3784, 0.2666, 0.2863 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 54.3784, 0.2666, 0.2863 by changing the saturation by 10% instead.

■ 54.3784, 0.2666,
0.2863

■ 54.3784, 0.2666,
0.2863

403.5513, 0.2887,
0.3070

■ 38.9043, 0.2614,
0.2814

■ 96.6296, 0.2744,
0.2936

■ 26.6853, 0.2548,
0.2752

■ 124.1755, 0.2774,
0.2965

■ 17.3370, 0.2464,
0.2671

156.5141, 0.2800,
0.2988

■ 10.4750, 0.2352,
0.2564

194.0297, 0.2822,
0.3009

■ 5.7150, 0.2196,
0.2413

237.1069, 0.2841,
0.3027

■ 2.6726, 0.1966,
0.2188

286.1300, 0.2859,

■ 0.9633, 0.1602,

0.3043

0.1825

341.4833, 0.2874,
0.3057

0.0000, 0.0000,
0.0000

54.3784, 0.2666,
0.2863

54.3784, 0.2666,
0.2863

46.7370, 0.2500,
0.2685

62.9286, 0.2831,
0.3026

39.9627, 0.2337,
0.2494

72.4140, 0.2992,
0.3174

34.0199, 0.2182,
0.2293

82.8679, 0.3146,
0.3306

28.8673, 0.2042,
0.2088

93.5030, 0.3264,
0.3424

24.4588, 0.1921,
0.1883

98.6634, 0.3256,
0.3503

■ 20.7419, 0.1824,
0.1685

■ 17.6433, 0.1752,
0.1499

■ 17.2836, 0.1744,
0.1477

Harmonies

Analogous

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



54.3784, 0.2600, 0.3011



54.3784, 0.2666, 0.2863



54.3784, 0.2851, 0.2830

Triad

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



54.3784, 0.2666, 0.2863



54.3784, 0.3608, 0.3301



54.3784, 0.3117, 0.3717

Complementary

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



54.3784, 0.2666, 0.2863



61.8855, 0.3652, 0.3682

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.



54.3784, 0.3392, 0.3788



54.3784, 0.2666, 0.2863



54.3784, 0.3684, 0.3532

Square

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



54.3784, 0.2666, 0.2863



54.3784, 0.3397, 0.3078



54.3784, 0.3602, 0.3714



54.3784, 0.2853, 0.3513

Rectangle

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



54.3784, 0.2666, 0.2863



54.3784, 0.3023, 0.2871



54.3784, 0.3602, 0.3714



54.3784, 0.3212, 0.3757

Sweetspot

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



54.3806, 0.2666, 0.2863



88.4837, 0.2987, 0.3170



70.5936, 0.2889, 0.3682



18.5603, 0.2964, 0.3149



0.0000, 0.0000, 0.0000



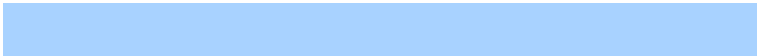
21.4041, 0.3127, 0.3290

Same Dimension

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



54.3806, 0.2666, 0.2863



61.5013, 0.2575, 0.2768



41.4110, 0.2631, 0.2458



15.7343, 0.2981, 0.3164



10.0517, 0.1751, 0.1504



0.9809, 0.1823, 0.1762

Inverse Universe

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



48.6943, 0.3462, 0.2935



54.0122, 0.3548, 0.2865



78.1723, 0.3553, 0.4009



15.1737, 0.3218, 0.3178



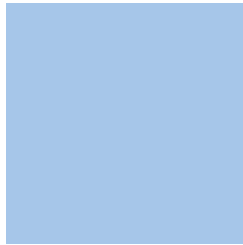
10.5075, 0.5054, 0.2558



0.8444, 0.4731, 0.2380

Previews

White Background



This preview shows how the Yxy color 54.3784, 0.2666, 0.2863 looks on a white background.

Color Contrast Check

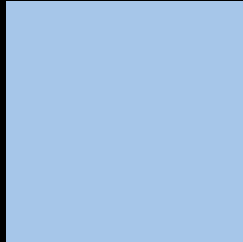
Large Text (above 18pt) WCAG AA × Fail

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 54.3784, 0.2666, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

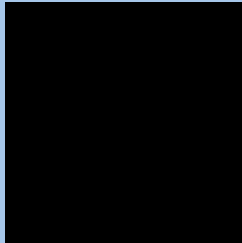
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

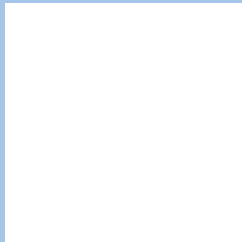
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.3784, 0.2666, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 54.3784, 0.2666, 0.2863.



This preview shows how white text looks on a background with the Yxy color 54.3784, 0.2666, 0.2863.

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

54.3784, 0.2666, 0.2863

Protanopia

54.3619, 0.2829, 0.2863

Deuteranopia

54.1625, 0.2831, 0.2768



Tritanopia

54.5696, 0.2746, 0.3088

Trichromacy



Original Color

54.3784, 0.2666, 0.2863

Protanomaly

54.3271, 0.2767, 0.2870

Deuteranomaly

54.1477, 0.2768, 0.2805

Tritanomaly

54.5288, 0.2715, 0.3003

Monochromacy



Original Color

54.3784, 0.2666, 0.2863

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.1558, 0.2948, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3784, 0.2666, 0.2863 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, 198, 233)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 198, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 198, 233) }
```

Border

The CSS property to change the border of an element to Yxy 54.3784, 0.2666, 0.2863 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, 198, 233) }
```

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

```
.border{ border-color:rgb(166, 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(166, 198, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 198, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 198, 233);  
box-shadow:4px 4px 4px 4px rgb(166, 198,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3784, 0.2666, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 198, 233) }
```

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

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