

Converting Colors

$Yxy(56.1897, 0.2641, 0.2878)$

Have a look what the booklet for
Yxy(56.1897, 0.2641, 0.2878)
contains.

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Color

Yxy(56.1897, 0.2641, 0.2878)

Conversions

Conversions Part 1

Format	Color
Hex	A4CAEC
RGB	164, 202, 236
RGB Percent	64%, 79%, 93%
CMY	0.3571, 0.2078, 0.0745
CMYK	0.31, 0.14, 0.00, 0.07
HSL	208°, 65%, 78%
HSV	208°, 31%, 93%
XYZ	51.5625, 56.1897, 87.4865
YIQ	194.5140, -33.5620, 2.5180

Conversions

Conversions Part 2

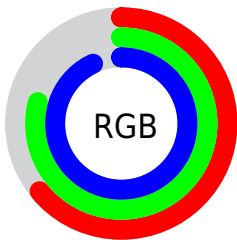
Format	Color
RYB	164, 189, 236
Decimal	10799852
CIELab	79.72, -4.80, -20.90
CIELCh	80, 21.441, 257.051
Yxy	56.1897, 0.2641, 0.2878
Android (android.graphics.Color)	4288989932 (0xFFA4CAEC)
YUV	194.5140, 20.4526, -26.7608
Hunter-Lab	74.9598, -8.3949, -16.7262

Details

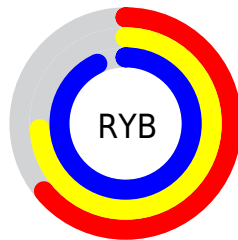
The Yxy color **56.1897, 0.2641, 0.2878** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.8707, 0.3704, 0.3668**, and the grayscale version is **54.1563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **27.7901, 0.2519, 0.2772** is the 20% darker color. If you saturate the color by 10%, you get **48.8731, 0.2480, 0.2716**, and if you desaturate by 10%, it is **64.3534, 0.2803, 0.3027**.

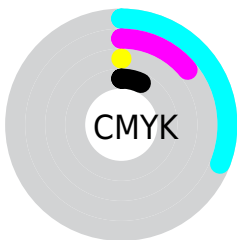
Distribution



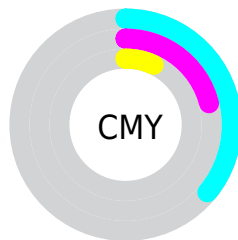
- Red (64%)
- Green (79%)
- Blue (93%)



- Red (64%)
- Yellow (74%)
- Blue (93%)



- Cyan (31%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (36%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1897, 0.2641, 0.2878 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 56.1897, 0.2641, 0.2878 by changing the saturation by 10% instead.

■ 56.1897, 0.2641,
0.2878

■ 56.1897, 0.2641,
0.2878

■ 410.4060, 0.2872,
0.3077

■ 40.3550, 0.2587,
0.2831

■ 99.2819, 0.2722,
0.2949

■ 27.8155, 0.2519,
0.2771

■ 127.3082, 0.2754,
0.2976

■ 18.1866, 0.2432,
0.2694

■ 160.1672, 0.2781,
0.2999

■ 11.0840, 0.2318,
0.2591

■ 198.2432, 0.2804,
0.3019

■ 6.1234, 0.2160,
0.2447

■ 241.9207, 0.2824,
0.3036

■ 2.9203, 0.1929,
0.2232

■ 291.5841, 0.2842,

■ 1.0902, 0.1570,

0.3052

0.1887

347.6177, 0.2858,
0.3065

0.0000, 0.0000,
0.0000

56.1897, 0.2641,
0.2878

56.1897, 0.2641,
0.2878

48.8731, 0.2480,
0.2716

64.3534, 0.2803,
0.3027

42.3633, 0.2324,
0.2543

73.3892, 0.2964,
0.3162

36.6260, 0.2179,
0.2362

83.3287, 0.3119,
0.3284

31.6211, 0.2049,
0.2176

93.5592, 0.3246,
0.3393

27.3037, 0.1940,
0.1991

98.8363, 0.3238,
0.3473

■ 23.6214, 0.1853,
0.1811

■ 20.6436, 0.1791,
0.1648

Harmonies

Analogous

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



56.1897, 0.2598, 0.3046



56.1897, 0.2641, 0.2878



56.1897, 0.2808, 0.2824

Triad

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



56.1897, 0.2641, 0.2878



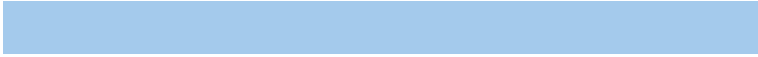
56.1897, 0.3583, 0.3259



56.1897, 0.3168, 0.3744

Complementary

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



56.1897, 0.2641, 0.2878



60.8707, 0.3704, 0.3668

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.



56.1897, 0.3439, 0.3789



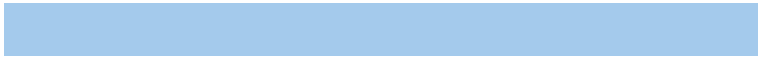
56.1897, 0.2641, 0.2878



56.1897, 0.3687, 0.3494

Square

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



56.1897, 0.2641, 0.2878



56.1897, 0.3351, 0.3040



56.1897, 0.3632, 0.3691



56.1897, 0.2894, 0.3559

Rectangle

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



56.1897, 0.2641, 0.2878



56.1897, 0.2973, 0.2852



56.1897, 0.3632, 0.3691



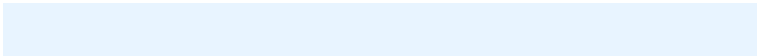
56.1897, 0.3263, 0.3776

Sweetspot

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



56.1919, 0.2641, 0.2878



89.1908, 0.2987, 0.3181



71.9374, 0.2895, 0.3756



18.7344, 0.2964, 0.3163



0.0000, 0.0000, 0.0000



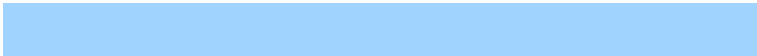
21.4041, 0.3127, 0.3290

Same Dimension

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



56.1919, 0.2641, 0.2878



61.0994, 0.2534, 0.2772



41.3434, 0.2589, 0.2425



15.8663, 0.2981, 0.3176



11.6405, 0.1799, 0.1676



1.1065, 0.1866, 0.1916

Inverse Universe

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



48.6310, 0.3456, 0.2872



51.3055, 0.3553, 0.2778



79.1308, 0.3595, 0.4029



15.1871, 0.3210, 0.3166



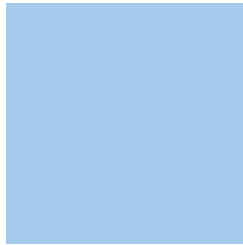
10.6679, 0.4837, 0.2438



0.8571, 0.4549, 0.2280

Previews

White Background



This preview shows how the Yxy color 56.1897, 0.2641, 0.2878 looks on a white background.

Color Contrast Check

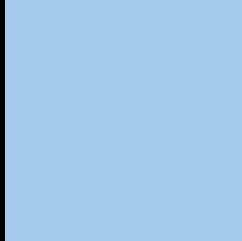
Large Text (above 18pt) WCAG AA × Fail

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 56.1897, 0.2641, 0.2878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

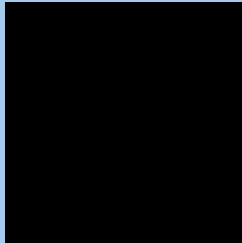
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

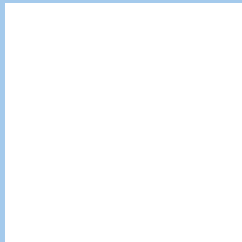
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.1897, 0.2641, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 56.1897, 0.2641, 0.2878.



This preview shows how white text looks on a background with the Yxy color 56.1897, 0.2641, 0.2878.

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

56.1897, 0.2641, 0.2878

Protanopia

55.8036, 0.2832, 0.2857

Deuteranopia

56.0487, 0.2835, 0.2775



Tritanopia

56.4602, 0.2713, 0.3090

Trichromacy



Original Color

56.1897, 0.2641, 0.2878

Protanomaly

56.0951, 0.2765, 0.2875

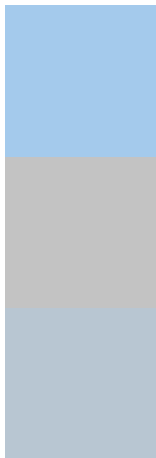
Deuteranomaly

55.7846, 0.2759, 0.2809

Tritanomaly

56.3581, 0.2689, 0.3018

Monochromacy



Original Color

56.1897, 0.2641, 0.2878

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.2317, 0.2936, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1897, 0.2641, 0.2878 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(164, 202, 236)` looks like.

```
.text, #text, p{  
    color:rgb(164, 202, 236)  
}
```

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(164, 202, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 202, 236) }
```

Border

The CSS property to change the border of an element to Yxy 56.1897, 0.2641, 0.2878 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(164, 202, 236) }
```

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

```
.border{ border-color:rgb(164, 202, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 202, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 202, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 202, 236); box-shadow:4px 4px 4px 4px rgb(164, 202, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1897, 0.2641, 0.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 202, 236) }
```

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

```
.background{ background-color: rgb(164,  
202, 236) }
```

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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