

Converting Colors

Yxy(58.3514, 0.2645, 0.2924)

Have a look what the booklet for
Yxy(58.3514, 0.2645, 0.2924)
contains.

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Color

Yxy(58.1496, 0.2641, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	A4CEED
RGB	164, 206, 237
RGB Percent	64%, 81%, 93%
CMY	0.3570, 0.1921, 0.0704
CMYK	0.31, 0.13, 0.00, 0.07
HSL	205°, 67%, 79%
HSV	205°, 31%, 93%
XYZ	52.6657, 58.1496, 88.6004
YIQ	196.9760, -34.9830, 0.7370

Conversions

Conversions Part 2

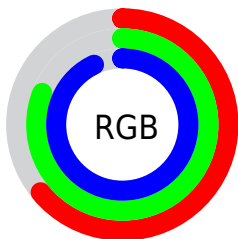
Format	Color
RYB	164, 191, 237
Decimal	10800877
CIELab	80.82, -6.66, -19.78
CIELCh	81, 20.875, 251.397
Yxy	58.1496, 0.2641, 0.2916
Android (android.graphics.Color)	4288990957 (0xFFA4CEED)
YUV	196.9760, 19.7318, -28.9200
Hunter-Lab	76.2559, -10.1678, -15.5089

Details

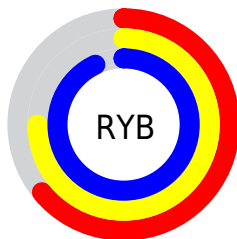
The Yxy color **58.1496, 0.2641, 0.2916** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.7191, 0.3722, 0.3635**, and the grayscale version is **55.7122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **29.1077, 0.2522, 0.2824** is the 20% darker color. If you saturate the color by 10%, you get **51.1685, 0.2484, 0.2771**, and if you desaturate by 10%, it is **65.9157, 0.2800, 0.3050**.

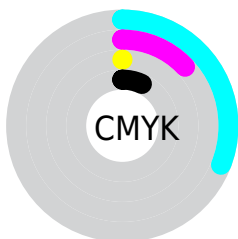
Distribution



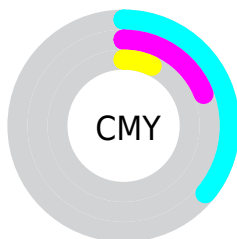
- Red (64%)
- Green (81%)
- Blue (93%)



- Red (64%)
- Yellow (75%)
- Blue (93%)



- Cyan (31%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (36%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1496, 0.2641, 0.2916 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 58.1496, 0.2641, 0.2916 by changing the saturation by 10% instead.

■ 58.1496, 0.2641,
0.2916

■ 58.1496, 0.2641,
0.2916

■ 417.7431, 0.2871,
0.3097

■ 41.9289, 0.2587,
0.2873

■ 102.1407, 0.2722,
0.2980

■ 29.0456, 0.2521,
0.2819

■ 130.6799, 0.2753,
0.3005

■ 19.1154, 0.2436,
0.2749

■ 164.0940, 0.2779,
0.3026

■ 11.7537, 0.2324,
0.2656

■ 202.7676, 0.2803,
0.3044

■ 6.5762, 0.2170,
0.2525

■ 247.0848, 0.2823,
0.3060

■ 3.1985, 0.1947,
0.2330

■ 297.4303, 0.2841,

■ 1.2362, 0.1602,

0.3073

0.2014

354.1882, 0.2857,
0.3086

0.0910, 0.0000,
0.0544

0.0000, 0.0000,
0.0000

58.1496, 0.2641,
0.2916

58.1496, 0.2641,
0.2916

51.1685, 0.2484,
0.2771

65.9157, 0.2800,
0.3050

44.9335, 0.2335,
0.2616

74.4897, 0.2959,
0.3172

39.4123, 0.2197,
0.2454

83.9017, 0.3114,
0.3281

34.5667, 0.2075,
0.2288

93.4545, 0.3240,
0.3380

■ 30.3536, 0.1973,
0.2121

■ 98.8969, 0.3232,
0.3463

■ 26.7226, 0.1893,
0.1958

■ 23.8327, 0.1837,
0.1813

Harmonies

Analogous

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



58.1496, 0.2624, 0.3097



58.1496, 0.2641, 0.2916



58.1496, 0.2782, 0.2841

Triad

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



58.1496, 0.2641, 0.2916



58.1496, 0.3531, 0.3218



58.1496, 0.3219, 0.3746

Complementary

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



58.1496, 0.2641, 0.2916



59.7191, 0.3722, 0.3635

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.



58.1496, 0.3471, 0.3762



58.1496, 0.2641, 0.2916



58.1496, 0.3658, 0.3446

Square

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



58.1496, 0.2641, 0.2916



58.1496, 0.3293, 0.3015



58.1496, 0.3634, 0.3646



58.1496, 0.2950, 0.3590

Rectangle

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



58.1496, 0.2641, 0.2916



58.1496, 0.2931, 0.2855



58.1496, 0.3634, 0.3646



58.1496, 0.3308, 0.3768

Sweetspot

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



58.1519, 0.2641, 0.2916



89.8429, 0.2987, 0.3192



72.3949, 0.2913, 0.3808



18.8951, 0.2964, 0.3176



0.0000, 0.0000, 0.0000



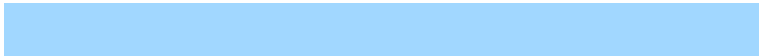
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1519, 0.2641, 0.2916



63.3279, 0.2542, 0.2826



42.7742, 0.2588, 0.2461



15.9881, 0.2981, 0.3187



13.2723, 0.1844, 0.1839



1.2322, 0.1905, 0.2059

Inverse Universe

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



49.0057, 0.3429, 0.2831



51.5305, 0.3513, 0.2735



77.8158, 0.3610, 0.4002



15.1993, 0.3203, 0.3155



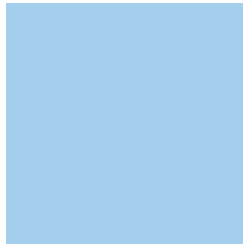
10.8327, 0.4640, 0.2329



0.8698, 0.4387, 0.2190

Previews

White Background



This preview shows how the Yxy color 58.1496, 0.2641, 0.2916 looks on a white background.

Color Contrast Check

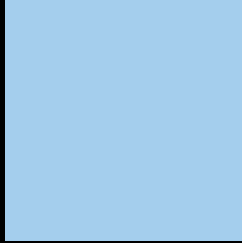
Large Text (above 18pt) WCAG AA × Fail

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 58.1496, 0.2641, 0.2916 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 58.1496, 0.2641, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 58.1496, 0.2641, 0.2916.



This preview shows how white text looks on a background with the Yxy color 58.1496, 0.2641, 0.2916.

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

58.1496, 0.2641, 0.2916

Protanopia

57.6837, 0.2862, 0.2896

Deuteranopia

57.9912, 0.2859, 0.2803



Tritanopia

58.1251, 0.2694, 0.3080

Trichromacy



Original Color

58.1496, 0.2641, 0.2916

Protanomaly

57.7811, 0.2775, 0.2902

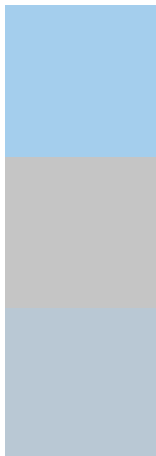
Deuteranomaly

58.0464, 0.2777, 0.2849

Tritanomaly

57.9642, 0.2676, 0.3020

Monochromacy



Original Color

58.1496, 0.2641, 0.2916

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.3763, 0.2930, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1496, 0.2641, 0.2916 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, 206, 237)` looks like.

```
.text, #text, p{  
    color:rgb(164, 206, 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(164, 206, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 206, 237) }
```

Border

The CSS property to change the border of an element to Yxy 58.1496, 0.2641, 0.2916 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, 206, 237) }
```

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

```
.border{ border-color:rgb(164, 206, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 206, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 206, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 206, 237);  
box-shadow:4px 4px 4px 4px rgb(164, 206,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1496, 0.2641, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 206, 237) }
```

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

```
.background{ background-color: rgb(164,  
206, 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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