

Converting Colors

$Y_{xy}(58.5200, 0.2734, 0.2970)$

Have a look what the booklet for
Yxy(58.5200, 0.2734, 0.2970)
contains.

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Color

Yxy(58.4875, 0.2732, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	AECDE8
RGB	174, 205, 232
RGB Percent	68%, 80%, 91%
CMY	0.3175, 0.1961, 0.0902
CMYK	0.25, 0.12, 0.00, 0.09
HSL	208°, 56%, 80%
HSV	208°, 25%, 91%
XYZ	53.8550, 58.4875, 84.7842
YIQ	198.8090, -27.1430, 1.8250

Conversions

Conversions Part 2

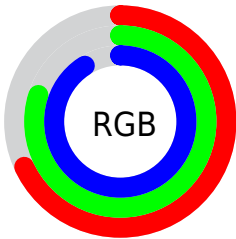
Format	Color
RYB	174, 194, 232
Decimal	11455976
CIELab	81.01, -4.40, -16.74
CIELCh	81, 17.310, 255.282
Yxy	58.4875, 0.2732, 0.2967
Android (android.graphics.Color)	4289646056 (0xFFFAECDE8)
YUV	198.8090, 16.3632, -21.7575
Hunter-Lab	76.4771, -8.1357, -12.1962

Details

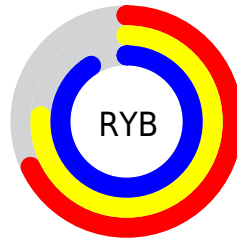
The Yxy color **58.4875, 0.2732, 0.2967** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.9916, 0.3582, 0.3592**, and the grayscale version is **56.9048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **29.2609, 0.2633, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **51.0600, 0.2570, 0.2814**, and if you desaturate by 10%, it is **66.7367, 0.2893, 0.3106**.

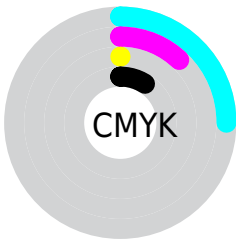
Distribution



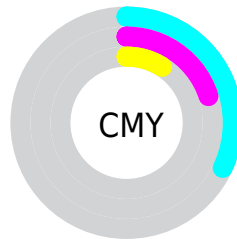
- Red (68%)
- Green (80%)
- Blue (91%)



- Red (68%)
- Yellow (76%)
- Blue (91%)



- Cyan (25%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (32%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4875, 0.2732, 0.2967 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 58.4875, 0.2732, 0.2967 by changing the saturation by 10% instead.

■ 58.4875, 0.2732,
0.2967

■ 58.4875, 0.2732,
0.2967

419.0000, 0.2920,
0.3123

■ 42.2007, 0.2688,
0.2930

■ 102.6324, 0.2798,
0.3022

■ 29.2585, 0.2633,
0.2883

131.2593, 0.2823,
0.3043

■ 19.2764, 0.2563,
0.2823

164.7684, 0.2845,
0.3061

■ 11.8702, 0.2470,
0.2743

203.5441, 0.2864,
0.3077

■ 6.6554, 0.2340,
0.2630

247.9706, 0.2881,
0.3091

■ 3.2475, 0.2150,
0.2460

298.4326, 0.2895,

■ 1.2623, 0.1848,

0.3103

0.2182

355.3142, 0.2908,
0.3113

0.1117, 0.0000,
0.0775

0.0000, 0.0000,
0.0000

58.4875, 0.2732,
0.2967

58.4875, 0.2732,
0.2967

51.0600, 0.2570,
0.2814

66.7367, 0.2893,
0.3106

44.4164, 0.2412,
0.2650

75.8294, 0.3051,
0.3232

38.5258, 0.2261,
0.2475

85.7953, 0.3202,
0.3345

33.3522, 0.2123,
0.2294

94.3484, 0.3269,
0.3448

■ 28.8556, 0.2003,
0.2111

■ 98.6055, 0.3262,
0.3513

■ 24.9907, 0.1904,
0.1930

■ 21.7030, 0.1829,
0.1755

■ 20.2321, 0.1798,
0.1671

Harmonies

Analogous

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



58.4875, 0.2704, 0.3109



58.4875, 0.2732, 0.2967



58.4875, 0.2862, 0.2915

Triad

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



58.4875, 0.2732, 0.2967



58.4875, 0.3481, 0.3256



58.4875, 0.3175, 0.3654

Complementary

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



58.4875, 0.2732, 0.2967



61.9916, 0.3582, 0.3592

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.



58.4875, 0.3389, 0.3685



58.4875, 0.2732, 0.2967



58.4875, 0.3570, 0.3446

Square

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



58.4875, 0.2732, 0.2967



58.4875, 0.3294, 0.3080



58.4875, 0.3535, 0.3605



58.4875, 0.2954, 0.3514

Rectangle

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



58.4875, 0.2732, 0.2967



58.4875, 0.2993, 0.2933



58.4875, 0.3535, 0.3605



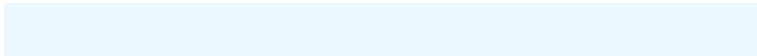
58.4875, 0.3250, 0.3677

Sweetspot

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



58.4899, 0.2732, 0.2967



91.5815, 0.3019, 0.3208



70.8833, 0.2940, 0.3672



19.4522, 0.3009, 0.3200



0.0000, 0.0000, 0.0000



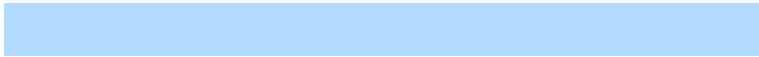
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4899, 0.2732, 0.2967



67.6052, 0.2648, 0.2890



46.2427, 0.2701, 0.2617



15.1562, 0.2981, 0.3178



11.4882, 0.1805, 0.1698



1.0345, 0.1875, 0.1949

Inverse Universe

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



51.8446, 0.3379, 0.2947



58.4346, 0.3446, 0.2873



76.2988, 0.3511, 0.3885



14.4961, 0.3209, 0.3165



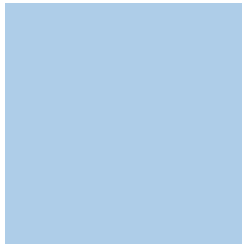
10.3575, 0.4809, 0.2423



0.7841, 0.4511, 0.2259

Previews

White Background



This preview shows how the Yxy color 58.4875, 0.2732, 0.2967 looks on a white background.

Color Contrast Check

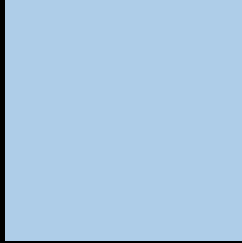
Large Text (above 18pt) WCAG AA × Fail

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 58.4875, 0.2732, 0.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

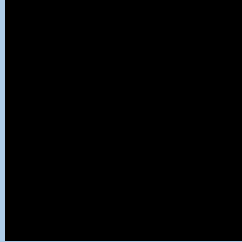
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

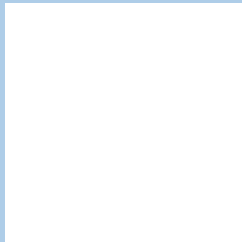
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.4875, 0.2732, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 58.4875, 0.2732, 0.2967.



This preview shows how white text looks on a background with the Yxy color 58.4875, 0.2732, 0.2967.

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

58.4875, 0.2732, 0.2967

Protanopia

58.1840, 0.2903, 0.2954

Deuteranopia

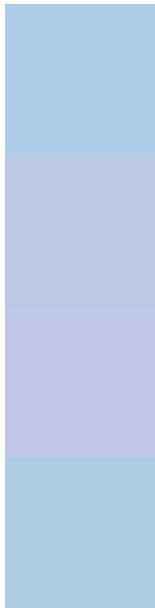
58.2577, 0.2921, 0.2860



Tritanopia

58.2410, 0.2774, 0.3083

Trichromacy



Original Color

58.4875, 0.2732, 0.2967

Protanomaly

58.1218, 0.2841, 0.2961

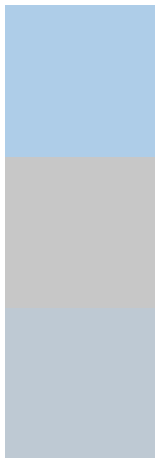
Deuteranomaly

58.0675, 0.2849, 0.2896

Tritanomaly

58.5178, 0.2762, 0.3048

Monochromacy



Original Color

58.4875, 0.2732, 0.2967

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.4236, 0.2974, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4875, 0.2732, 0.2967 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(174, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(174, 205, 232)  
}
```

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(174, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 205, 232) }
```

Border

The CSS property to change the border of an element to Yxy 58.4875, 0.2732, 0.2967 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(174, 205, 232) }
```

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

```
.border{ border-color:rgb(174, 205, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 205, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(174, 205,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4875, 0.2732, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 205, 232) }
```

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

```
.background{ background-color: rgb(174,  
205, 232) }
```

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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