

Converting Colors

$Yxy(58.9429, 0.2744, 0.2973)$

Have a look what the booklet for
Yxy(58.9429, 0.2744, 0.2973)
contains.

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Color

Yxy(58.7189, 0.2745, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	B0CDE8
RGB	176, 205, 232
RGB Percent	69%, 80%, 91%
CMY	0.3097, 0.1961, 0.0902
CMYK	0.24, 0.12, 0.00, 0.09
HSL	209°, 55%, 80%
HSV	209°, 24%, 91%
XYZ	54.3071, 58.7189, 84.8140
YIQ	199.4070, -25.9510, 2.2490

Conversions

Conversions Part 2

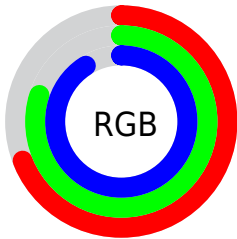
Format	Color
R _Y B	176, 195, 232
Decimal	11587048
CIE Lab	81.14, -3.79, -16.54
CIE LCh	81, 16.973, 257.083
Yxy	58.7189, 0.2745, 0.2968
Android (android.graphics.Color)	4289777128 (0xFFB0CDE8)
YUV	199.4070, 16.0683, -20.5279
Hunter-Lab	76.6283, -7.5951, -11.9838

Details

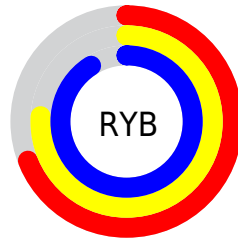
The Yxy color **58.7189, 0.2745, 0.2968** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.0237, 0.3561, 0.3592**, and the grayscale version is **57.2921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **29.4054, 0.2649, 0.2892** is the 20% darker color. If you saturate the color by 10%, you get **51.0776, 0.2582, 0.2811**, and if you desaturate by 10%, it is **67.2104, 0.2907, 0.3112**.

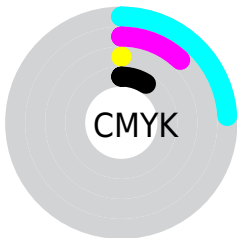
Distribution



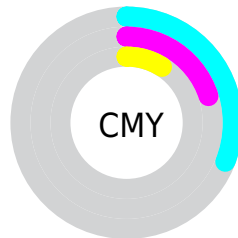
- Red (69%)
- Green (80%)
- Blue (91%)



- Red (69%)
- Yellow (76%)
- Blue (91%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7189, 0.2745, 0.2968 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 58.7189, 0.2745, 0.2968 by changing the saturation by 10% instead.

■ 58.7189, 0.2745,
0.2968

■ 58.7189, 0.2745,
0.2968

419.8594, 0.2927,
0.3123

■ 42.3869, 0.2702,
0.2931

■ 102.9690, 0.2809,
0.3023

■ 29.4043, 0.2649,
0.2885

131.6559, 0.2833,
0.3044

■ 19.3869, 0.2581,
0.2826

165.2298, 0.2854,
0.3062

■ 11.9502, 0.2491,
0.2746

204.0752, 0.2873,
0.3077

■ 6.7098, 0.2366,
0.2634

248.5765, 0.2889,
0.3091

■ 3.2813, 0.2182,
0.2467

299.1180, 0.2903,

■ 1.2803, 0.1888,

0.3103

0.2192

356.0842, 0.2915,
0.3113

0.1259, 0.0182,
0.0847

0.0000, 0.0000,
0.0000

58.7189, 0.2745,
0.2968

58.7189, 0.2745,
0.2968

51.0776, 0.2582,
0.2811

67.2104, 0.2907,
0.3112

44.2479, 0.2421,
0.2641

76.5745, 0.3064,
0.3241

38.1983, 0.2267,
0.2460

86.8415, 0.3215,
0.3356

32.8923, 0.2126,
0.2273

95.3182, 0.3267,
0.3463

■ 28.2893, 0.2001,
0.2083

■ 98.6062, 0.3262,
0.3513

■ 24.3433, 0.1898,
0.1895

■ 21.0000, 0.1819,
0.1714

■ 19.2707, 0.1781,
0.1613

Harmonies

Analogous

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



58.7189, 0.2711, 0.3102



58.7189, 0.2745, 0.2968



58.7189, 0.2878, 0.2922

Triad

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



58.7189, 0.2745, 0.2968



58.7189, 0.3482, 0.3268



58.7189, 0.3161, 0.3640

Complementary

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



58.7189, 0.2745, 0.2968



63.0237, 0.3561, 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.



58.7189, 0.3372, 0.3678



58.7189, 0.2745, 0.2968



58.7189, 0.3562, 0.3454

Square

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



58.7189, 0.2745, 0.2968



58.7189, 0.3303, 0.3094



58.7189, 0.3521, 0.3606



58.7189, 0.2946, 0.3498

Rectangle

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



58.7189, 0.2745, 0.2968



58.7189, 0.3008, 0.2944



58.7189, 0.3521, 0.3606



58.7189, 0.3235, 0.3666

Sweetspot

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



58.7213, 0.2745, 0.2968



91.3973, 0.3019, 0.3205



71.2190, 0.2941, 0.3646



19.4095, 0.3009, 0.3197



0.0000, 0.0000, 0.0000



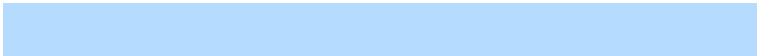
21.4041, 0.3127, 0.3290

Same Dimension

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



58.7213, 0.2745, 0.2968



67.8776, 0.2663, 0.2891



46.8633, 0.2717, 0.2632



15.1146, 0.2981, 0.3174



10.9522, 0.1789, 0.1640



0.9952, 0.1861, 0.1898

Inverse Universe

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



52.6291, 0.3376, 0.2970



59.4592, 0.3443, 0.2900



76.9600, 0.3495, 0.3873



14.4919, 0.3212, 0.3169



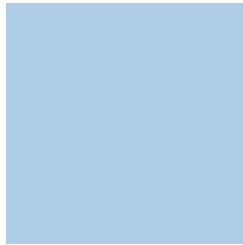
10.3033, 0.4880, 0.2462



0.7801, 0.4570, 0.2291

Previews

White Background



This preview shows how the Yxy color 58.7189, 0.2745, 0.2968 looks on a white background.

Color Contrast Check

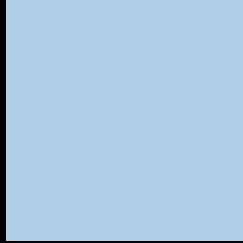
Large Text (above 18pt) WCAG AA × Fail

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 58.7189, 0.2745, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

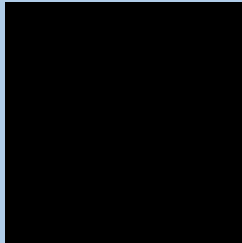
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

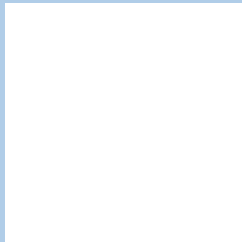
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7189, 0.2745, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 58.7189, 0.2745, 0.2968.



This preview shows how white text looks on a background with the Yxy color 58.7189, 0.2745, 0.2968.

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

58.7189, 0.2745, 0.2968

Protanopia

58.7803, 0.2911, 0.2966

Deuteranopia

58.3995, 0.2928, 0.2861



Tritanopia

58.4690, 0.2787, 0.3083

Trichromacy



Original Color

58.7189, 0.2745, 0.2968

Protanomaly

58.7170, 0.2849, 0.2974

Deuteranomaly

58.1994, 0.2856, 0.2897

Tritanomaly

58.7476, 0.2775, 0.3049

Monochromacy



Original Color

58.7189, 0.2745, 0.2968

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.5528, 0.2981, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7189, 0.2745, 0.2968 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(176, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 205, 232) }
```

Border

The CSS property to change the border of an element to Yxy 58.7189, 0.2745, 0.2968 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(176, 205, 232) }
```

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

```
.border{ border-color:rgb(176, 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(176, 205, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 205,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7189, 0.2745, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 205, 232) }
```

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

```
.background{ background-color: rgb(176,  
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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