

Converting Colors

$Yxy(48.2302, 0.2700, 0.2788)$

Have a look what the booklet for
Yxy(48.2302, 0.2700, 0.2788)
contains.

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Color

Yxy(48.2412, 0.2698, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	A6B9E1
RGB	166, 185, 225
RGB Percent	65%, 73%, 88%
CMY	0.3489, 0.2745, 0.1178
CMYK	0.26, 0.18, 0.00, 0.12
HSL	221°, 50%, 77%
HSV	221°, 26%, 88%
XYZ	46.6672, 48.2412, 78.0611
YIQ	183.8790, -24.1640, 8.4120

Conversions

Conversions Part 2

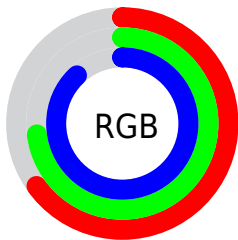
Format	Color
R _Y B	166, 180, 225
Decimal	10926561
CIE Lab	74.98, 2.31, -22.14
CIE LCh	75, 22.264, 275.957
Yxy	48.2412, 0.2698, 0.2789
Android (android.graphics.Color)	4289116641 (0xFFA6B9E1)
YUV	183.8790, 20.2727, -15.6799
Hunter-Lab	69.4559, -1.6142, -18.0166

Details

The Yxy color **48.2412, 0.2698, 0.2789** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.9019, 0.3572, 0.3745**, and the grayscale version is **47.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6602, 0.2925, 0.3147**, and **22.9155, 0.2580, 0.2649** is the 20% darker color. If you saturate the color by 10%, you get **39.9750, 0.2519, 0.2560**, and if you desaturate by 10%, it is **57.6216, 0.2870, 0.2998**.

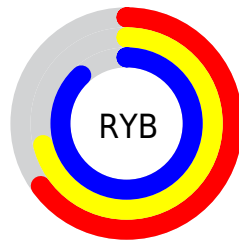
Distribution



Red (65%)

Green (73%)

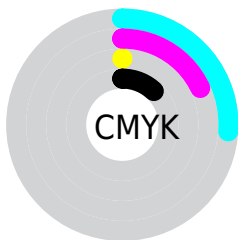
Blue (88%)



Red (65%)

Yellow (71%)

Blue (88%)

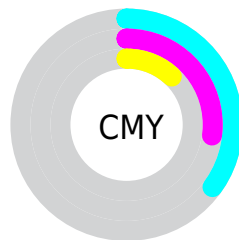


Cyan (26%)

Magenta (18%)

Yellow (0%)

Black (12%)



Cyan (35%)

Magenta (27%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2412, 0.2698, 0.2789 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 48.2412, 0.2698, 0.2789 by changing the saturation by 10% instead.

■ 48.2412, 0.2698,
0.2789

■ 48.2412, 0.2698,
0.2789

379.7474, 0.2909,
0.3034

■ 34.0179, 0.2647,
0.2730

■ 87.5634, 0.2774,
0.2876

■ 22.9074, 0.2582,
0.2656

■ 113.4312, 0.2802,
0.2910

■ 14.5251, 0.2497,
0.2559

143.9492, 0.2827,
0.2938

■ 8.4868, 0.2382,
0.2429

179.5019, 0.2848,
0.2962

■ 4.4080, 0.2218,
0.2244

220.4737, 0.2866,
0.2984

■ 1.9043, 0.1969,
0.1967

267.2489, 0.2882,

■ 0.5510, 0.1515,

0.3002

0.1439

320.2120, 0.2896,
0.3019

0.0000, 0.0000,
0.0000

48.2412, 0.2698,
0.2789

48.2412, 0.2698,
0.2789

39.9750, 0.2519,
0.2560

57.6216, 0.2870,
0.2998

32.7737, 0.2337,
0.2313

68.1516, 0.3032,
0.3185

26.5922, 0.2160,
0.2055

79.8720, 0.3183,
0.3351

21.3801, 0.1994,
0.1793

92.6249, 0.3314,
0.3497

17.0818, 0.1848,
0.1539

98.2144, 0.3304,
0.3582

■ 13.6348, 0.1731,
0.1303

■ 10.9660, 0.1645,
0.1098

■ 10.1193, 0.1619,
0.1029

Harmonies

Analogous

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



48.2412, 0.2564, 0.2894



48.2412, 0.2698, 0.2789



48.2412, 0.2948, 0.2811

Triad

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



48.2412, 0.2698, 0.2789



48.2412, 0.3717, 0.3417



48.2412, 0.2978, 0.3675

Complementary

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



48.2412, 0.2698, 0.2789



62.9019, 0.3572, 0.3745

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.



48.2412, 0.3285, 0.3826



48.2412, 0.2698, 0.2789



48.2412, 0.3721, 0.3655

Square

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



48.2412, 0.2698, 0.2789



48.2412, 0.3544, 0.3162



48.2412, 0.3559, 0.3812



48.2412, 0.2719, 0.3406

Rectangle

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



48.2412, 0.2698, 0.2789



48.2412, 0.3153, 0.2890



48.2412, 0.3559, 0.3812



48.2412, 0.3078, 0.3743

Sweetspot

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



48.2431, 0.2698, 0.2789



87.8219, 0.3003, 0.3152



66.3668, 0.2857, 0.3530



18.3319, 0.2979, 0.3124



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.



48.2431, 0.2698, 0.2789



58.3976, 0.2609, 0.2676



41.9345, 0.2751, 0.2558



13.9597, 0.2981, 0.3126



6.0209, 0.1627, 0.1056



0.5757, 0.1713, 0.1365

Inverse Universe

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



46.7912, 0.3508, 0.3071



56.5263, 0.3607, 0.3027



71.0558, 0.3447, 0.3959



13.7729, 0.3242, 0.3215



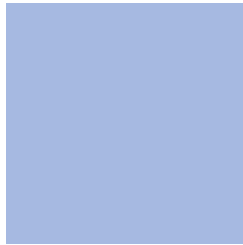
9.5159, 0.5675, 0.2900



0.6756, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 48.2412, 0.2698, 0.2789 looks on a white background.

Color Contrast Check

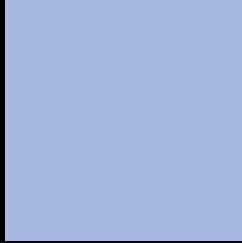
Large Text (above 18pt) WCAG AA × Fail

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 48.2412, 0.2698, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

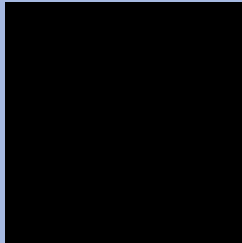
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2412, 0.2698, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 48.2412, 0.2698, 0.2789.



This preview shows how white text looks on a background with the Yxy color 48.2412, 0.2698, 0.2789.

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

48.2412, 0.2698, 0.2789

Protanopia

48.3086, 0.2773, 0.2795

Deuteranopia

47.9573, 0.2795, 0.2730



Tritanopia

48.4362, 0.2810, 0.3093

Trichromacy



Original Color

48.2412, 0.2698, 0.2789

Protanomaly

48.4335, 0.2746, 0.2793

Deuteranomaly

48.1770, 0.2760, 0.2749

Tritanomaly

48.5064, 0.2763, 0.2980

Monochromacy



Original Color

48.2412, 0.2698, 0.2789

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.7516, 0.2956, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2412, 0.2698, 0.2789 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, 185, 225)` looks like.

```
.text, #text, p{  
    color:rgb(166, 185, 225)  
}
```

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, 185, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 185, 225) }
```

Border

The CSS property to change the border of an element to Yxy 48.2412, 0.2698, 0.2789 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, 185, 225) }
```

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

```
.border{ border-color:rgb(166, 185, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 185, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 185, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 185, 225);  
box-shadow:4px 4px 4px 4px rgb(166, 185,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2412, 0.2698, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 185, 225) }
```

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

```
.background{ background-color: rgb(166,  
185, 225) }
```

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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