

Converting Colors

$Yxy(48.6631, 0.2738, 0.2850)$

Have a look what the booklet for
Yxy(48.6631, 0.2738, 0.2850)
contains.

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Color

Yxy(48.6631, 0.2738, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	A8BADD
RGB	168, 186, 221
RGB Percent	66%, 73%, 87%
CMY	0.3414, 0.2705, 0.1333
CMYK	0.24, 0.16, 0.00, 0.13
HSL	220°, 44%, 76%
HSV	220°, 24%, 87%
XYZ	46.7507, 48.6631, 75.3339
YIQ	184.6080, -21.9630, 7.0690

Conversions

Conversions Part 2

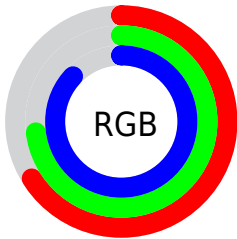
Format	Color
RYB	168, 181, 221
Decimal	11057885
CIELab	75.24, 1.41, -19.58
CIELCh	75, 19.629, 274.108
Yxy	48.6631, 0.2738, 0.2850
Android (android.graphics.Color)	4289247965 (0xFFA8BADD)
YUV	184.6080, 17.9413, -14.5652
Hunter-Lab	69.7589, -2.4518, -15.1970

Details

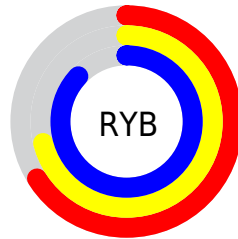
The Yxy color $48.6631, 0.2738, 0.2850$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $60.8797, 0.3533, 0.3694$, and the grayscale version is $48.1916, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.5716, 0.2938, 0.3157$, and $23.1731, 0.2632, 0.2730$ is the 20% darker color. If you saturate the color by 10%, you get $40.6111, 0.2562, 0.2632$, and if you desaturate by 10%, it is $57.7576, 0.2907, 0.3048$.

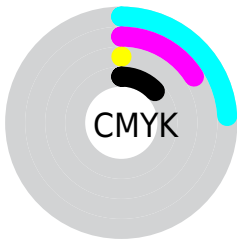
Distribution



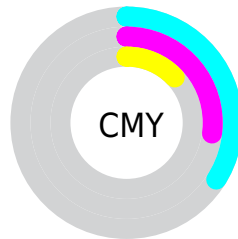
- Red (66%)
- Green (73%)
- Blue (87%)



- Red (66%)
- Yellow (71%)
- Blue (87%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (34%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6631, 0.2738, 0.2850 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 48.6631, 0.2738, 0.2850 by changing the saturation by 10% instead.

■ 48.6631, 0.2738,
0.2850

■ 48.6631, 0.2738,
0.2850

■ 381.4145, 0.2929,
0.3065

■ 34.3523, 0.2691,
0.2798

■ 88.1909, 0.2807,
0.2927

■ 23.1644, 0.2632,
0.2732

■ 114.1766, 0.2833,
0.2956

■ 14.7149, 0.2555,
0.2646

■ 144.8229, 0.2855,
0.2981

■ 8.6196, 0.2450,
0.2529

■ 180.5139, 0.2874,
0.3003

■ 4.4939, 0.2300,
0.2363

■ 221.6342, 0.2890,
0.3022

■ 1.9535, 0.2068,
0.2109

■ 268.5682, 0.2905,

■ 0.5802, 0.1635,

0.3038

0.1620

321.7001, 0.2918,
0.3052

0.0000, 0.0000,
0.0000

48.6631, 0.2738,
0.2850

48.6631, 0.2738,
0.2850

40.6111, 0.2562,
0.2632

57.7576, 0.2907,
0.3048

33.5562, 0.2382,
0.2396

67.9260, 0.3067,
0.3225

27.4581, 0.2206,
0.2147

79.2055, 0.3215,
0.3382

22.2713, 0.2039,
0.1892

91.3720, 0.3341,
0.3520

17.9458, 0.1891,
0.1640

98.0004, 0.3327,
0.3621

■ 14.4259, 0.1768,
0.1403

■ 11.6474, 0.1675,
0.1191

■ 10.2866, 0.1633,
0.1078

Harmonies

Analogous

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



48.6631, 0.2626, 0.2952



48.6631, 0.2738, 0.2850



48.6631, 0.2954, 0.2861

Triad

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



48.6631, 0.2738, 0.2850



48.6631, 0.3639, 0.3391



48.6631, 0.3013, 0.3638

Complementary

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



48.6631, 0.2738, 0.2850



60.8797, 0.3533, 0.3694

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.



48.6631, 0.3284, 0.3762



48.6631, 0.2738, 0.2850



48.6631, 0.3653, 0.3603

Square

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



48.6631, 0.2738, 0.2850



48.6631, 0.3480, 0.3165



48.6631, 0.3520, 0.3744



48.6631, 0.2780, 0.3409

Rectangle

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



48.6631, 0.2738, 0.2850



48.6631, 0.3134, 0.2927



48.6631, 0.3520, 0.3744



48.6631, 0.3103, 0.3695

Sweetspot

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



48.6651, 0.2738, 0.2850



89.4881, 0.3019, 0.3173



64.3170, 0.2883, 0.3518



18.9678, 0.3009, 0.3162



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.



48.6651, 0.2738, 0.2850



61.3033, 0.2646, 0.2738



42.4288, 0.2781, 0.2626



13.3384, 0.2981, 0.3131



6.1650, 0.1641, 0.1106



0.5562, 0.1732, 0.1436

Inverse Universe

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



46.9065, 0.3458, 0.3079



58.7955, 0.3554, 0.3031



68.6902, 0.3427, 0.3899



13.1243, 0.3238, 0.3211



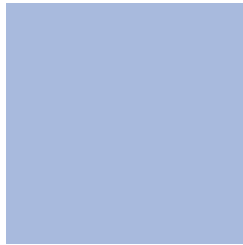
9.2461, 0.5602, 0.2860



0.6148, 0.5143, 0.2607

Previews

White Background



This preview shows how the Yxy color 48.6631, 0.2738, 0.2850 looks on a white background.

Color Contrast Check

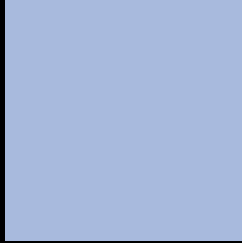
Large Text (above 18pt) WCAG AA × Fail

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 48.6631, 0.2738, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

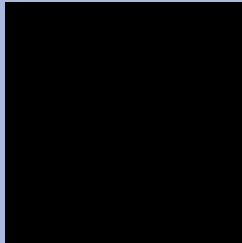
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6631, 0.2738, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 48.6631, 0.2738, 0.2850.



This preview shows how white text looks on a background with the Yxy color 48.6631, 0.2738, 0.2850.

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

48.6631, 0.2738, 0.2850

Protanopia

48.4464, 0.2822, 0.2844

Deuteranopia

48.6360, 0.2854, 0.2792



Tritanopia

48.7542, 0.2832, 0.3094

Trichromacy



Original Color

48.6631, 0.2738, 0.2850

Protanomaly

48.4470, 0.2786, 0.2841

Deuteranomaly

48.7246, 0.2809, 0.2810

Tritanomaly

48.7266, 0.2798, 0.3007

Monochromacy



Original Color

48.6631, 0.2738, 0.2850

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3588, 0.2980, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6631, 0.2738, 0.2850 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(168, 186, 221)` looks like.

```
.text, #text, p{  
    color:rgb(168, 186, 221)  
}
```

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(168, 186, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 186, 221) }
```

Border

The CSS property to change the border of an element to Yxy 48.6631, 0.2738, 0.2850 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(168, 186, 221) }
```

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

```
.border{ border-color:rgb(168, 186, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 186, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 186, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 186, 221);  
box-shadow:4px 4px 4px 4px rgb(168, 186,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6631, 0.2738, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 186, 221) }
```

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

```
.background{ background-color: rgb(168,  
186, 221) }
```

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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