

Converting Colors

$Yxy(64.5445, 0.2675, 0.2808)$

Have a look what the booklet for
Yxy(64.5445, 0.2675, 0.2808)
contains.

Yxy(64.6213, 0.2678, 0.2809)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.6213, 0.2678, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	B9D4FF
RGB	185, 212, 255
RGB Percent	73%, 83%, 100%
CMY	0.2743, 0.1686, 0.0000
CMYK	0.27, 0.17, 0.00, 0.00
HSL	217°, 100%, 86%
HSV	217°, 27%, 100%
XYZ	61.6076, 64.6213, 103.8220
YIQ	208.8290, -29.8950, 7.6490

Conversions

Conversions Part 2

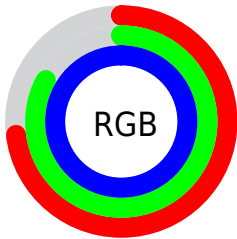
Format	Color
R _Y B	185, 204, 255
Decimal	12178687
CIE Lab	84.29, 0.44, -23.94
CIE LCh	84, 23.945, 271.049
Yxy	64.6213, 0.2678, 0.2809
Android (android.graphics.Color)	4290368767 (0xFFB9D4FF)
YUV	208.8290, 22.7623, -20.8980
Hunter-Lab	80.3874, -3.8783, -20.3031

Details

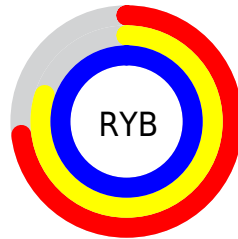
The Yxy color **64.6213, 0.2678, 0.2809** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.2728, 0.3611, 0.3728**, and the grayscale version is **63.5132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **33.2768, 0.2569, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **54.2708, 0.2503, 0.2598**, and if you desaturate by 10%, it is **76.3065, 0.2849, 0.3001**.

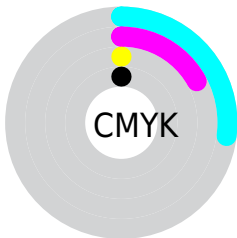
Distribution



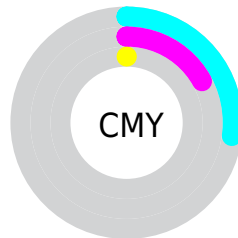
- Red (73%)
- Green (83%)
- Blue (100%)



- Red (73%)
- Yellow (80%)
- Blue (100%)



- Cyan (27%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6213, 0.2678, 0.2809 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 64.6213, 0.2678, 0.2809 by changing the saturation by 10% instead.

■ 64.6213, 0.2678,
0.2809

■ 64.6213, 0.2678,
0.2809

441.4298, 0.2887,
0.3033

■ 47.1541, 0.2630,
0.2758

■ 111.5052, 0.2751,
0.2887

■ 33.1575, 0.2571,
0.2695

141.6907, 0.2779,
0.2917

■ 22.2471, 0.2496,
0.2615

176.8844, 0.2803,
0.2943

■ 14.0386, 0.2398,
0.2511

217.4707, 0.2825,
0.2966

■ 8.1475, 0.2267,
0.2370

263.8340, 0.2843,
0.2986

■ 4.1895, 0.2080,
0.2172

316.3587, 0.2860,

■ 1.7801, 0.1799,

0.3003

0.1873

375.4292, 0.2874,
0.3019

0.4747, 0.1241,
0.1276

0.0000, 0.0000,
0.0000

64.6213, 0.2678,
0.2809

64.6213, 0.2678,
0.2809

54.2708, 0.2503,
0.2598

76.3065, 0.2849,
0.3001

45.1952, 0.2327,
0.2372

89.3676, 0.3012,
0.3174

37.3415, 0.2158,
0.2135

99.9992, 0.3127,
0.3290

30.6490, 0.2003,
0.1893

■ 25.0508, 0.1867,
0.1656

■ 20.4711, 0.1759,
0.1433

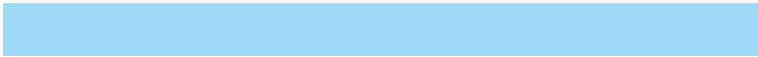
■ 16.8174, 0.1680,
0.1233

■ 15.9992, 0.1663,
0.1186

Harmonies

Analogous

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



64.6213, 0.2569, 0.2932



64.6213, 0.2678, 0.2809



64.6213, 0.2907, 0.2810

Triad

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



64.6213, 0.2678, 0.2809



64.6213, 0.3685, 0.3374



64.6213, 0.3029, 0.3700

Complementary

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



64.6213, 0.2678, 0.2809



80.2728, 0.3611, 0.3728

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.



64.6213, 0.3330, 0.3822



64.6213, 0.2678, 0.2809



64.6213, 0.3717, 0.3613

Square

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



64.6213, 0.2678, 0.2809



64.6213, 0.3494, 0.3127



64.6213, 0.3584, 0.3782



64.6213, 0.2764, 0.3450

Rectangle

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



64.6213, 0.2678, 0.2809



64.6213, 0.3102, 0.2876



64.6213, 0.3584, 0.3782



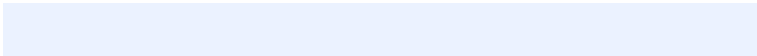
64.6213, 0.3129, 0.3757

Sweetspot

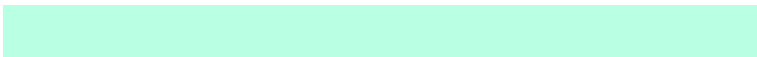
The Sweet Spot groups the original color and five complimentary colors.



64.6239, 0.2678, 0.2809



88.5923, 0.3003, 0.3165



87.3791, 0.2867, 0.3597



18.5251, 0.2979, 0.3140



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.



64.6239, 0.2678, 0.2809



58.7007, 0.2581, 0.2694



53.1502, 0.2694, 0.2505



18.5251, 0.2979, 0.3140



8.6279, 0.1671, 0.1216



1.0440, 0.1733, 0.1440

Inverse Universe

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



60.7296, 0.3498, 0.3014



54.6539, 0.3600, 0.2955



94.9720, 0.3496, 0.3989



18.1029, 0.3233, 0.3199



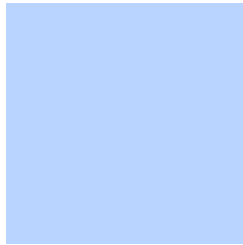
11.5989, 0.5444, 0.2773



1.1499, 0.5138, 0.2604

Previews

White Background



This preview shows how the Yxy color 64.6213, 0.2678, 0.2809 looks on a white background.

Color Contrast Check

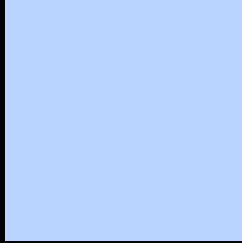
Large Text (above 18pt) WCAG AA × Fail

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 64.6213, 0.2678, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

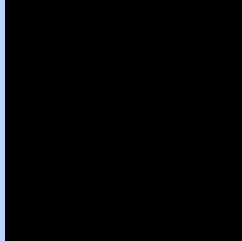
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

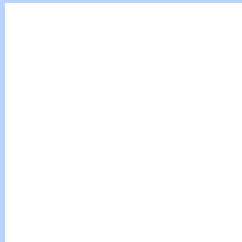
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6213, 0.2678, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 64.6213, 0.2678, 0.2809.



This preview shows how white text looks on a background with the Yxy color 64.6213, 0.2678, 0.2809.

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

64.6213, 0.2678, 0.2809

Protanopia

64.4194, 0.2786, 0.2807

Deuteranopia

64.6280, 0.2813, 0.2761



Tritanopia

64.6982, 0.2775, 0.3091

Trichromacy



Original Color

64.6213, 0.2678, 0.2809

Protanomaly

64.2949, 0.2748, 0.2803

Deuteranomaly

64.4739, 0.2762, 0.2775

Tritanomaly

64.8968, 0.2741, 0.2991

Monochromacy



Original Color

64.6213, 0.2678, 0.2809

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.8635, 0.2948, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6213, 0.2678, 0.2809 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(185, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 212, 255)  
}
```

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(185, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.6213, 0.2678, 0.2809 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(185, 212, 255) }
```

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

```
.border{ border-color:rgb(185, 212, 255) }
```

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

Here you see how a box with a 4 pixel rgb(185, 212, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6213, 0.2678, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 212, 255) }
```

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

```
.background{ background-color: rgb(185,  
212, 255) }
```

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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