

Converting Colors

$Yxy(65.6636, 0.2560, 0.2600)$

Have a look what the booklet for
Yxy(65.6636, 0.2560, 0.2600)
contains.

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Color

Yxy(64.3742, 0.2665, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	B7D4FF
RGB	183, 212, 255
RGB Percent	72%, 83%, 100%
CMY	0.2825, 0.1686, 0.0000
CMYK	0.28, 0.17, 0.00, 0.00
HSL	216°, 100%, 86%
HSV	216°, 28%, 100%
XYZ	61.1176, 64.3742, 103.8427
YIQ	208.2310, -31.0870, 7.2250

Conversions

Conversions Part 2

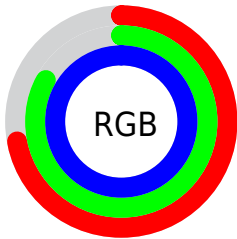
Format	Color
R _Y B	183, 204, 255
Decimal	12047615
CIE Lab	84.16, -0.16, -24.17
CIE LCh	84, 24.176, 269.620
Yxy	64.3742, 0.2665, 0.2807
Android (android.graphics.Color)	4290237695 (0xFFB7D4FF)
YUV	208.2310, 23.0571, -22.1276
Hunter-Lab	80.2335, -4.4369, -20.5729

Details

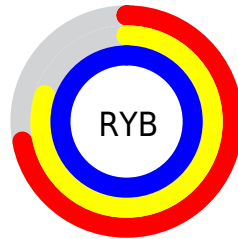
The Yxy color **64.3742, 0.2665, 0.2807** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.0375, 0.3631, 0.3729**, and the grayscale version is **63.0912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **33.1201, 0.2555, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **54.2740, 0.2491, 0.2602**, and if you desaturate by 10%, it is **75.7579, 0.2836, 0.2995**.

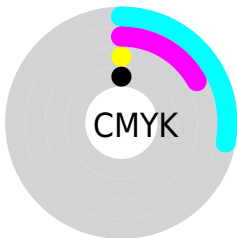
Distribution



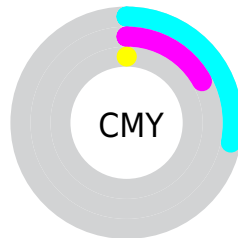
- Red (72%)
- Green (83%)
- Blue (100%)



- Red (72%)
- Yellow (80%)
- Blue (100%)



- Cyan (28%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3742, 0.2665, 0.2807 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 64.3742, 0.2665, 0.2807 by changing the saturation by 10% instead.

■ 64.3742, 0.2665,
0.2807

■ 64.3742, 0.2665,
0.2807

440.5397, 0.2880,
0.3032

■ 46.9538, 0.2616,
0.2755

■ 111.1497, 0.2740,
0.2885

■ 32.9991, 0.2555,
0.2692

141.2735, 0.2769,
0.2916

■ 22.1258, 0.2478,
0.2611

176.4007, 0.2794,
0.2942

■ 13.9494, 0.2378,
0.2506

216.9156, 0.2816,
0.2965

■ 8.0855, 0.2242,
0.2364

263.2025, 0.2835,
0.2985

■ 4.1497, 0.2051,
0.2164

315.6459, 0.2852,

■ 1.7576, 0.1763,

0.3002

0.1862

374.6302, 0.2867,
0.3018

0.4606, 0.1179,
0.1251

0.0000, 0.0000,
0.0000

64.3742, 0.2665,
0.2807

64.3742, 0.2665,
0.2807

54.2740, 0.2491,
0.2602

75.7579, 0.2836,
0.2995

45.4066, 0.2318,
0.2382

88.4720, 0.2999,
0.3164

37.7179, 0.2153,
0.2151

100.0000, 0.3127,
0.3290

31.1493, 0.2001,
0.1916

■ 25.6356, 0.1870,
0.1685

■ 21.1025, 0.1765,
0.1467

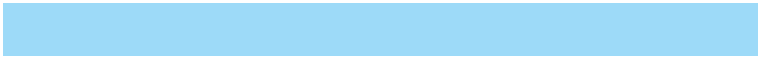
■ 17.4554, 0.1689,
0.1270

■ 16.8907, 0.1677,
0.1238

Harmonies

Analogous

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



64.3742, 0.2561, 0.2937



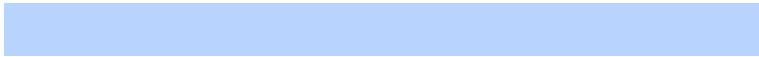
64.3742, 0.2665, 0.2807



64.3742, 0.2891, 0.2802

Triad

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



64.3742, 0.2665, 0.2807



64.3742, 0.3685, 0.3362



64.3742, 0.3042, 0.3714

Complementary

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



64.3742, 0.2665, 0.2807



79.0375, 0.3631, 0.3729

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.



64.3742, 0.3346, 0.3829



64.3742, 0.2665, 0.2807



64.3742, 0.3726, 0.3605

Square

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



64.3742, 0.2665, 0.2807



64.3742, 0.3486, 0.3114



64.3742, 0.3599, 0.3782



64.3742, 0.2771, 0.3466

Rectangle

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



64.3742, 0.2665, 0.2807



64.3742, 0.3087, 0.2865



64.3742, 0.3599, 0.3782



64.3742, 0.3144, 0.3770

Sweetspot

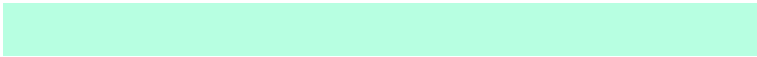
The Sweet Spot groups the original color and five complimentary colors.



64.3743, 0.2665, 0.2807



88.8124, 0.3003, 0.3168



87.0166, 0.2866, 0.3622



18.5804, 0.2979, 0.3144



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.



64.3743, 0.2665, 0.2807



58.4168, 0.2565, 0.2691



51.8807, 0.2671, 0.2476



18.5804, 0.2979, 0.3144



9.0996, 0.1686, 0.1268



1.0934, 0.1748, 0.1491

Inverse Universe

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



59.8615, 0.3501, 0.2992



53.7008, 0.3605, 0.2929



95.0759, 0.3515, 0.4009



18.1085, 0.3231, 0.3194



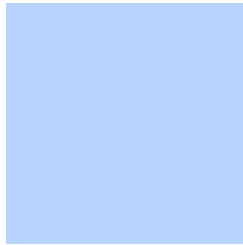
11.6466, 0.5370, 0.2732



1.1549, 0.5070, 0.2567

Previews

White Background



This preview shows how the Yxy color 64.3742, 0.2665, 0.2807 looks on a white background.

Color Contrast Check

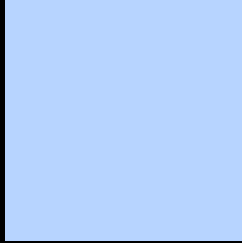
Large Text (above 18pt) WCAG AA × Fail

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 64.3742, 0.2665, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

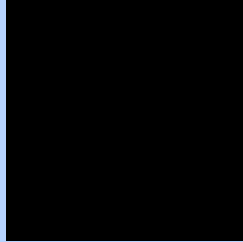
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

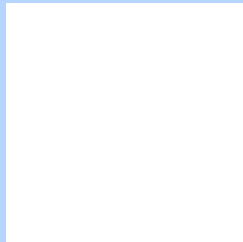
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3742, 0.2665, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 64.3742, 0.2665, 0.2807.



This preview shows how white text looks on a background with the Yxy color 64.3742, 0.2665, 0.2807.

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

64.3742, 0.2665, 0.2807

Protanopia

64.4194, 0.2786, 0.2807

Deuteranopia

64.0045, 0.2806, 0.2749



Tritanopia

64.4599, 0.2763, 0.3090

Trichromacy



Original Color

64.3742, 0.2665, 0.2807

Protanomaly

64.1621, 0.2742, 0.2803

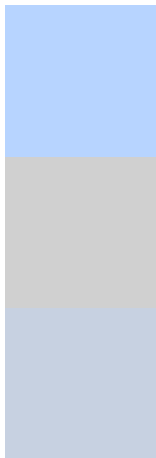
Deuteranomaly

64.3375, 0.2755, 0.2774

Tritanomaly

64.6550, 0.2728, 0.2990

Monochromacy



Original Color

64.3742, 0.2665, 0.2807

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.1793, 0.2947, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3742, 0.2665, 0.2807 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(183, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3742, 0.2665, 0.2807 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(183, 212, 255) }
```

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

```
.border{ border-color:rgb(183, 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(183, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3742, 0.2665, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 212, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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