

Converting Colors

$Yxy(65.9140, 0.2634, 0.2691)$

Have a look what the booklet for
Yxy(65.9140, 0.2634, 0.2691)
contains.

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Color

Yxy(65.1258, 0.2702, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	BDD4FF
RGB	189, 212, 255
RGB Percent	74%, 83%, 100%
CMY	0.2589, 0.1686, 0.0000
CMYK	0.26, 0.17, 0.00, 0.00
HSL	219°, 100%, 87%
HSV	219°, 26%, 100%
XYZ	62.5782, 65.1258, 103.8956
YIQ	210.0250, -27.5110, 8.4970

Conversions

Conversions Part 2

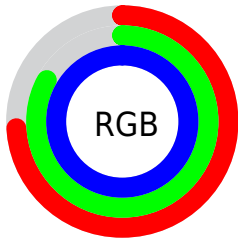
Format	Color
R _Y B	189, 206, 255
Decimal	12440831
CIE Lab	84.55, 1.58, -23.54
CIE LCh	85, 23.592, 273.832
Yxy	65.1258, 0.2702, 0.2812
Android (android.graphics.Color)	4290630911 (0xFFBDD4FF)
YUV	210.0250, 22.1727, -18.4389
Hunter-Lab	80.7006, -2.8105, -19.8408

Details

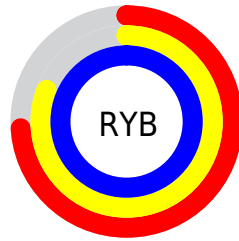
The Yxy color **65.1258, 0.2702, 0.2812** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.6322, 0.3574, 0.3725**, and the grayscale version is **64.3299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **33.5993, 0.2600, 0.2708** is the 20% darker color. If you saturate the color by 10%, you get **54.2677, 0.2524, 0.2591**, and if you desaturate by 10%, it is **77.4138, 0.2874, 0.3013**.

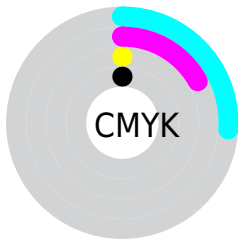
Distribution



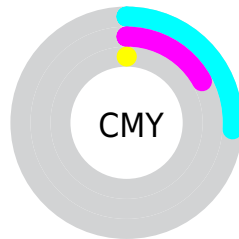
- Red (74%)
- Green (83%)
- Blue (100%)



- Red (74%)
- Yellow (81%)
- Blue (100%)



- Cyan (26%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1258, 0.2702, 0.2812 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 65.1258, 0.2702, 0.2812 by changing the saturation by 10% instead.

■ 65.1258, 0.2702,
0.2812

■ 65.1258, 0.2702,
0.2812

443.2439, 0.2900,
0.3034

■ 47.5631, 0.2657,
0.2761

■ 112.2307, 0.2771,
0.2889

■ 33.4810, 0.2600,
0.2699

142.5417, 0.2798,
0.2919

■ 22.4952, 0.2529,
0.2620

177.8709, 0.2821,
0.2945

■ 14.2212, 0.2437,
0.2518

218.6027, 0.2841,
0.2967

■ 8.2747, 0.2311,
0.2380

265.1215, 0.2858,
0.2987

■ 4.2712, 0.2133,
0.2185

317.8117, 0.2874,

■ 1.8264, 0.1864,

0.3004

0.1893

377.0577, 0.2888,
0.3020

0.5035, 0.1357,
0.1321

0.0000, 0.0000,
0.0000

65.1258, 0.2702,
0.2812

65.1258, 0.2702,
0.2812

54.2677, 0.2524,
0.2591

77.4138, 0.2874,
0.3013

44.7798, 0.2344,
0.2353

91.1800, 0.3037,
0.3194

36.6036, 0.2169,
0.2103

100.0000, 0.3127,
0.3290

29.6746, 0.2006,
0.1849

■ 23.9217, 0.1863,
0.1600

■ 19.2649, 0.1747,
0.1367

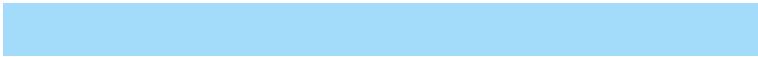
■ 15.6104, 0.1662,
0.1162

■ 14.3544, 0.1635,
0.1086

Harmonies

Analogous

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



65.1258, 0.2582, 0.2922



65.1258, 0.2702, 0.2812



65.1258, 0.2936, 0.2824

Triad

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



65.1258, 0.2702, 0.2812



65.1258, 0.3685, 0.3396



65.1258, 0.3004, 0.3674

Complementary

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



65.1258, 0.2702, 0.2812



82.6322, 0.3574, 0.3725

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.



65.1258, 0.3300, 0.3808



65.1258, 0.2702, 0.2812



65.1258, 0.3702, 0.3627

Square

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



65.1258, 0.2702, 0.2812



65.1258, 0.3510, 0.3151



65.1258, 0.3557, 0.3784



65.1258, 0.2750, 0.3422

Rectangle

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



65.1258, 0.2702, 0.2812



65.1258, 0.3131, 0.2895



65.1258, 0.3557, 0.3784



65.1258, 0.3102, 0.3735

Sweetspot

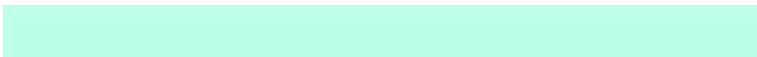
The Sweet Spot groups the original color and five complimentary colors.



65.1271, 0.2702, 0.2812



88.1489, 0.3003, 0.3157



88.1566, 0.2863, 0.3541



18.4139, 0.2979, 0.3131



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.



65.1271, 0.2702, 0.2812



59.4025, 0.2612, 0.2702



55.7337, 0.2745, 0.2560



18.4139, 0.2979, 0.3131



7.7517, 0.1643, 0.1115



0.9501, 0.1706, 0.1340

Inverse Universe

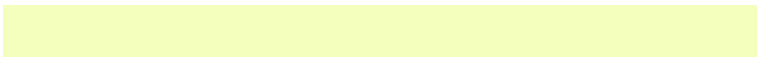
The Inverse Universe completely reimagines the original color for something new.



62.4012, 0.3491, 0.3054



56.6277, 0.3588, 0.3005



94.6233, 0.3453, 0.3954



18.0917, 0.3239, 0.3207



11.5105, 0.5588, 0.2852



1.1405, 0.5272, 0.2678

Previews

White Background



This preview shows how the Yxy color 65.1258, 0.2702, 0.2812 looks on a white background.

Color Contrast Check

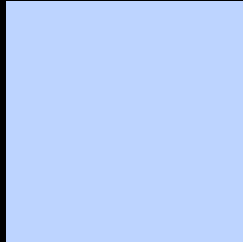
Large Text (above 18pt) WCAG AA × Fail

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 65.1258, 0.2702, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

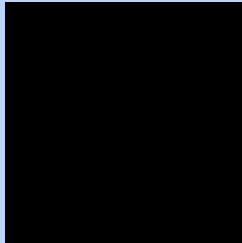
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

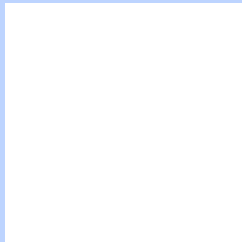
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1258, 0.2702, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 65.1258, 0.2702, 0.2812.



This preview shows how white text looks on a background with the Yxy color 65.1258, 0.2702, 0.2812.

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

65.1258, 0.2702, 0.2812

Protanopia

65.1103, 0.2787, 0.2809

Deuteranopia

64.7725, 0.2820, 0.2762



Tritanopia

65.1853, 0.2801, 0.3093

Trichromacy



Original Color

65.1258, 0.2702, 0.2812

Protanomaly

65.1193, 0.2756, 0.2806

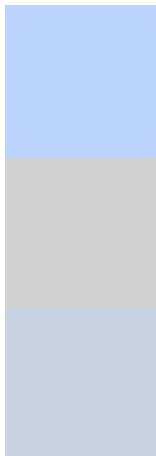
Deuteranomaly

64.7493, 0.2775, 0.2777

Tritanomaly

65.3909, 0.2766, 0.2993

Monochromacy



Original Color

65.1258, 0.2702, 0.2812

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.6361, 0.2962, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1258, 0.2702, 0.2812 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(189, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.1258, 0.2702, 0.2812 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(189, 212, 255) }
```

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

```
.border{ border-color:rgb(189, 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(189, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1258, 0.2702, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 212, 255) }
```

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

```
.background{ background-color: rgb(189,  
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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