

Converting Colors

$Yxy(65.2461, 0.2550, 0.2725)$

Have a look what the booklet for
Yxy(65.2461, 0.2550, 0.2725)
contains.

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Color

Yxy(64.5915, 0.2605, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	ACD7FF
RGB	172, 215, 255
RGB Percent	67%, 84%, 100%
CMY	0.3253, 0.1569, 0.0000
CMYK	0.33, 0.16, 0.00, 0.00
HSL	209°, 100%, 84%
HSV	209°, 33%, 100%
XYZ	59.3722, 64.5915, 103.9527
YIQ	206.7030, -38.4680, 3.3240

Conversions

Conversions Part 2

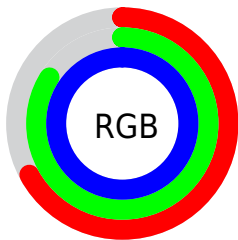
Format	Color
R_{YB}	172, 200, 255
Decimal	11327487
CIE Lab	84.27, -4.79, -24.05
CIE LCh	84, 24.523, 258.728
Yxy	64.5915, 0.2605, 0.2834
Android (android.graphics.Color)	4289517567 (0xFFACD7FF)
YUV	206.7030, 23.8104, -30.4345
Hunter-Lab	80.3688, -8.7792, -20.4302

Details

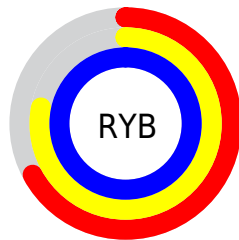
The Yxy color **64.5915, 0.2605, 0.2834** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.3560, 0.3751, 0.3704**, and the grayscale version is **62.0650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **33.0007, 0.2481, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **55.9489, 0.2443, 0.2665**, and if you desaturate by 10%, it is **74.2624, 0.2769, 0.2990**.

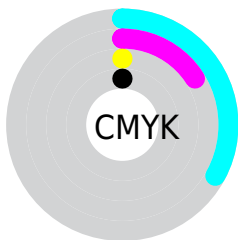
Distribution



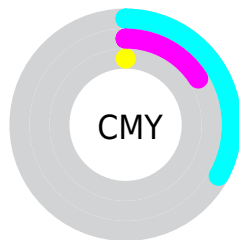
- Red (67%)
- Green (84%)
- Blue (100%)



- Red (67%)
- Yellow (78%)
- Blue (100%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5915, 0.2605, 0.2834 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 64.5915, 0.2605, 0.2834 by changing the saturation by 10% instead.

■ 64.5915, 0.2605,
0.2834

■ 64.5915, 0.2605,
0.2834

441.3225, 0.2847,
0.3049

■ 47.1299, 0.2550,
0.2784

■ 111.4624, 0.2689,
0.2909

■ 33.1384, 0.2482,
0.2723

141.6404, 0.2722,
0.2938

■ 22.2325, 0.2397,
0.2645

176.8261, 0.2750,
0.2963

■ 14.0278, 0.2286,
0.2543

217.4038, 0.2774,
0.2985

■ 8.1400, 0.2137,
0.2405

263.7579, 0.2796,
0.3004

■ 4.1847, 0.1929,
0.2207

316.2728, 0.2815,

■ 1.7774, 0.1620,

0.3020

0.1907

375.3329, 0.2832,
0.3035

0.4730, 0.0923,
0.1313

0.0000, 0.0000,
0.0000

64.5915, 0.2605,
0.2834

64.5915, 0.2605,
0.2834

55.9489, 0.2443,
0.2665

74.2624, 0.2769,
0.2990

48.2869, 0.2287,
0.2485

84.9951, 0.2931,
0.3132

41.5616, 0.2143,
0.2297

96.8282, 0.3088,
0.3260

35.7228, 0.2015,
0.2106

100.0000, 0.3127,
0.3290

■ 30.7138, 0.1909,
0.1917

■ 26.4677, 0.1827,
0.1735

■ 23.7258, 0.1779,
0.1605

Harmonies

Analogous

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



64.5915, 0.2551, 0.3009



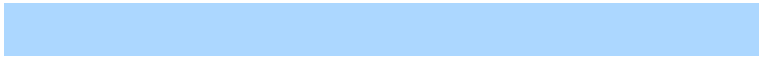
64.5915, 0.2605, 0.2834



64.5915, 0.2793, 0.2783

Triad

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



64.5915, 0.2605, 0.2834



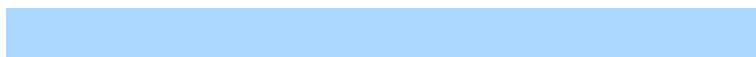
64.5915, 0.3636, 0.3269



64.5915, 0.3153, 0.3781

Complementary

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



64.5915, 0.2605, 0.2834



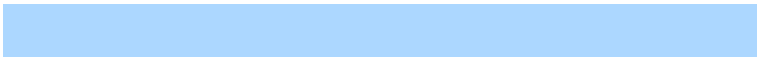
71.3560, 0.3751, 0.3704

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.



64.5915, 0.3452, 0.3838



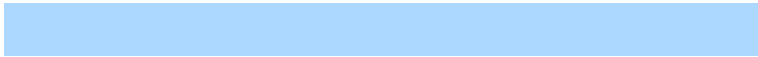
64.5915, 0.2605, 0.2834



64.5915, 0.3740, 0.3524

Square

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



64.5915, 0.2605, 0.2834



64.5915, 0.3388, 0.3030



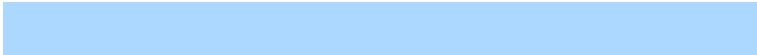
64.5915, 0.3670, 0.3735



64.5915, 0.2858, 0.3570

Rectangle

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



64.5915, 0.2605, 0.2834



64.5915, 0.2975, 0.2819



64.5915, 0.3670, 0.3735



64.5915, 0.3257, 0.3819

Sweetspot

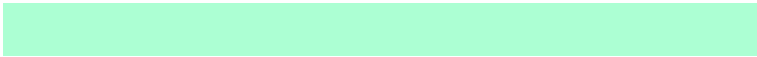
The Sweet Spot groups the original color and five complimentary colors.



64.5934, 0.2605, 0.2834



87.8829, 0.2971, 0.3166



84.9874, 0.2880, 0.3795



18.4653, 0.2949, 0.3147



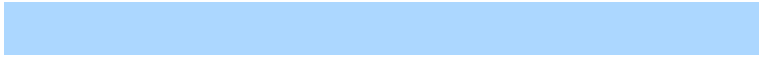
0.0000, 0.0000, 0.0000



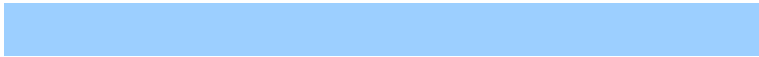
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5934, 0.2605, 0.2834



58.8856, 0.2500, 0.2726



46.5842, 0.2545, 0.2354



18.9334, 0.2979, 0.3172



12.6980, 0.1787, 0.1633



1.4552, 0.1843, 0.1834

Inverse Universe

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



55.6899, 0.3494, 0.2850



49.3929, 0.3595, 0.2761



94.0090, 0.3628, 0.4081



18.1441, 0.3213, 0.3168



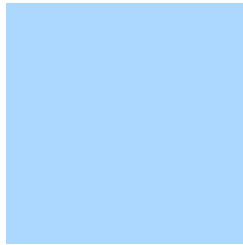
12.0098, 0.4889, 0.2467



1.1914, 0.4645, 0.2332

Previews

White Background



This preview shows how the Yxy color 64.5915, 0.2605, 0.2834 looks on a white background.

Color Contrast Check

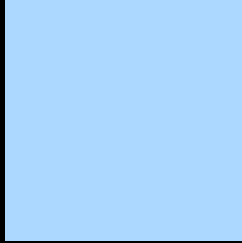
Large Text (above 18pt) WCAG AA × Fail

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 64.5915, 0.2605, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

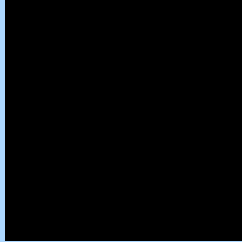
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

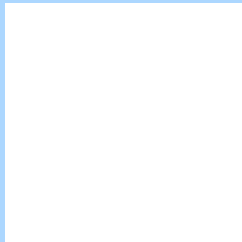
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5915, 0.2605, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 64.5915, 0.2605, 0.2834.



This preview shows how white text looks on a background with the Yxy color 64.5915, 0.2605, 0.2834.

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

64.5915, 0.2605, 0.2834

Protanopia

64.4314, 0.2805, 0.2828

Deuteranopia

64.0045, 0.2806, 0.2749



Tritanopia

64.5238, 0.2687, 0.3077

Trichromacy



Original Color

64.5915, 0.2605, 0.2834

Protanomaly

64.5640, 0.2724, 0.2832

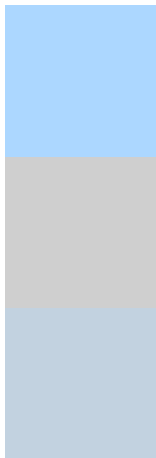
Deuteranomaly

64.2903, 0.2731, 0.2782

Tritanomaly

64.5318, 0.2654, 0.2986

Monochromacy



Original Color

64.5915, 0.2605, 0.2834

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.9443, 0.2919, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5915, 0.2605, 0.2834 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(172, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 215, 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(172, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5915, 0.2605, 0.2834 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(172, 215, 255) }
```

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

```
.border{ border-color:rgb(172, 215, 255) }
```

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

Here you see how a box with a 4 pixel rgb(172, 215, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5915, 0.2605, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 215, 255) }
```

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

```
.background{ background-color: rgb(172,  
215, 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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