

Converting Colors

$Y_{xy}(65.2697, 0.2657, 0.2832)$

Have a look what the booklet for
Yxy(65.2697, 0.2657, 0.2832)
contains.

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Color

Yxy(65.1369, 0.2656, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	B5D6FF
RGB	181, 214, 255
RGB Percent	71%, 84%, 100%
CMY	0.2902, 0.1608, 0.0000
CMYK	0.29, 0.16, 0.00, 0.00
HSL	213°, 100%, 85%
HSV	213°, 29%, 100%
XYZ	61.1536, 65.1369, 103.9566
YIQ	208.8070, -32.8290, 5.7550

Conversions

Conversions Part 2

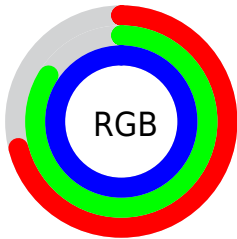
Format	Color
R _Y B	181, 204, 255
Decimal	11917055
CIE Lab	84.55, -1.77, -23.57
CIE LCh	85, 23.634, 265.696
Yxy	65.1369, 0.2656, 0.2829
Android (android.graphics.Color)	4290107135 (0xFFB5D6FF)
YUV	208.8070, 22.7731, -24.3867
Hunter-Lab	80.7074, -5.9850, -19.8743

Details

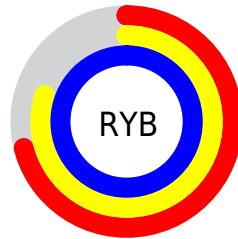
The Yxy color **65.1369, 0.2656, 0.2829** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.8429, 0.3655, 0.3710**, and the grayscale version is **63.4955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **33.3091, 0.2542, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **55.4891, 0.2486, 0.2638**, and if you desaturate by 10%, it is **75.9744, 0.2824, 0.3004**.

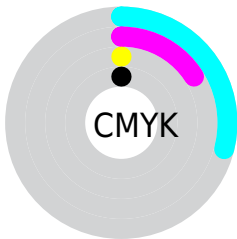
Distribution



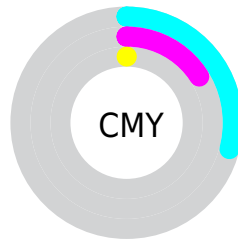
- Red (71%)
- Green (84%)
- Blue (100%)



- Red (71%)
- Yellow (80%)
- Blue (100%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1369, 0.2656, 0.2829 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 65.1369, 0.2656, 0.2829 by changing the saturation by 10% instead.

■ 65.1369, 0.2656,
0.2829

■ 65.1369, 0.2656,
0.2829

443.2838, 0.2875,
0.3044

■ 47.5721, 0.2606,
0.2780

■ 112.2467, 0.2732,
0.2904

■ 33.4881, 0.2544,
0.2719

142.5604, 0.2762,
0.2933

■ 22.5007, 0.2467,
0.2641

177.8926, 0.2787,
0.2958

■ 14.2252, 0.2366,
0.2540

218.6276, 0.2809,
0.2980

■ 8.2775, 0.2230,
0.2404

265.1498, 0.2829,
0.2999

■ 4.2730, 0.2037,
0.2210

317.8436, 0.2846,

■ 1.8274, 0.1750,

0.3016

0.1918

377.0935, 0.2861,
0.3031

0.5042, 0.1167,
0.1349

0.0000, 0.0000,
0.0000

65.1369, 0.2656,
0.2829

65.1369, 0.2656,
0.2829

55.4891, 0.2486,
0.2638

75.9744, 0.2824,
0.3004

46.9767, 0.2319,
0.2433

88.0374, 0.2987,
0.3162

39.5523, 0.2160,
0.2219

100.0000, 0.3127,
0.3290

33.1612, 0.2015,
0.2000

■ 27.7428, 0.1891,
0.1783

■ 23.2274, 0.1792,
0.1576

■ 19.5199, 0.1720,
0.1386

■ 19.1886, 0.1713,
0.1368

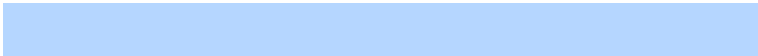
Harmonies

Analogous

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



65.1369, 0.2572, 0.2972



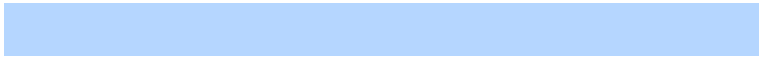
65.1369, 0.2656, 0.2829



65.1369, 0.2863, 0.2808

Triad

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



65.1369, 0.2656, 0.2829



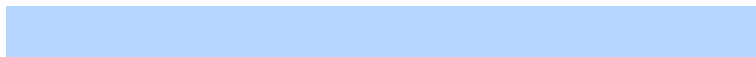
65.1369, 0.3653, 0.3328



65.1369, 0.3084, 0.3725

Complementary

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



65.1369, 0.2656, 0.2829



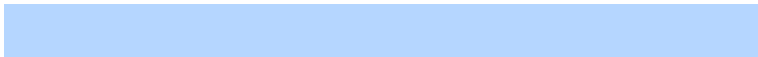
76.8429, 0.3655, 0.3710

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.



65.1369, 0.3377, 0.3818



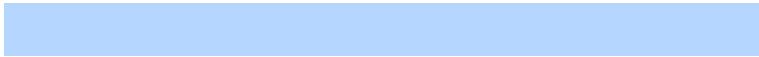
65.1369, 0.2656, 0.2829



65.1369, 0.3715, 0.3569

Square

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



65.1369, 0.2656, 0.2829



65.1369, 0.3442, 0.3090



65.1369, 0.3611, 0.3753



65.1369, 0.2811, 0.3497

Rectangle

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



65.1369, 0.2656, 0.2829



65.1369, 0.3049, 0.2860



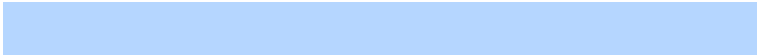
65.1369, 0.3611, 0.3753



65.1369, 0.3183, 0.3774

Sweetspot

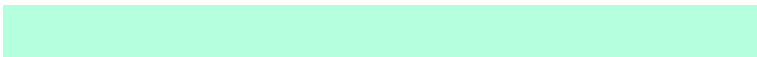
The Sweet Spot groups the original color and five complimentary colors.



65.1395, 0.2656, 0.2829



88.0574, 0.2987, 0.3162



86.6030, 0.2873, 0.3660



18.4555, 0.2964, 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.



65.1395, 0.2656, 0.2829



59.2250, 0.2554, 0.2717



50.5499, 0.2639, 0.2447



18.7112, 0.2979, 0.3155



10.3138, 0.1722, 0.1398



1.2182, 0.1782, 0.1616

Inverse Universe

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



59.1669, 0.3488, 0.2952



52.8759, 0.3590, 0.2879



95.4217, 0.3542, 0.4024



18.1217, 0.3224, 0.3184



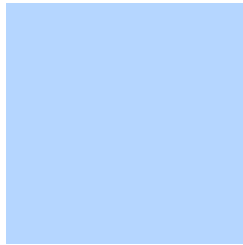
11.7691, 0.5194, 0.2635



1.1675, 0.4911, 0.2479

Previews

White Background



This preview shows how the Yxy color 65.1369, 0.2656, 0.2829 looks on a white background.

Color Contrast Check

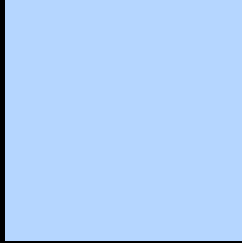
Large Text (above 18pt) WCAG AA × Fail

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 65.1369, 0.2656, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

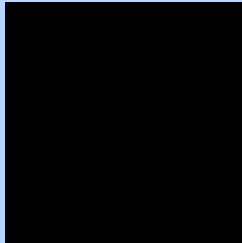
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

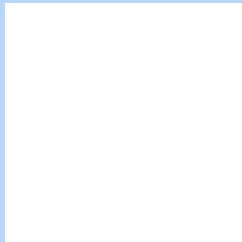
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1369, 0.2656, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 65.1369, 0.2656, 0.2829.



This preview shows how white text looks on a background with the Yxy color 65.1369, 0.2656, 0.2829.

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

65.1369, 0.2656, 0.2829

Protanopia

65.1225, 0.2806, 0.2830

Deuteranopia

64.7725, 0.2820, 0.2762



Tritanopia

64.9710, 0.2746, 0.3079

Trichromacy



Original Color

65.1369, 0.2656, 0.2829

Protanomaly

65.0861, 0.2750, 0.2836

Deuteranomaly

64.8267, 0.2756, 0.2786

Tritanomaly

64.9875, 0.2712, 0.2990

Monochromacy



Original Color

65.1369, 0.2656, 0.2829

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.2216, 0.2941, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1369, 0.2656, 0.2829 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(181, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 214, 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(181, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.1369, 0.2656, 0.2829 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(181, 214, 255) }
```

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

```
.border{ border-color:rgb(181, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1369, 0.2656, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 214, 255) }
```

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

```
.background{ background-color: rgb(181,  
214, 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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