

Converting Colors

$Yxy(67.6780, 0.2379, 0.2386)$

Have a look what the booklet for
Yxy(67.6780, 0.2379, 0.2386)
contains.

Yxy(64.4788, 0.2599, 0.2833)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4788, 0.2599, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	ABD7FF
RGB	171, 215, 255
RGB Percent	67%, 84%, 100%
CMY	0.3293, 0.1569, 0.0000
CMYK	0.33, 0.16, 0.00, 0.00
HSL	209°, 100%, 84%
HSV	209°, 33%, 100%
XYZ	59.1530, 64.4788, 103.9672
YIQ	206.4040, -39.0640, 3.1120

Conversions

Conversions Part 2

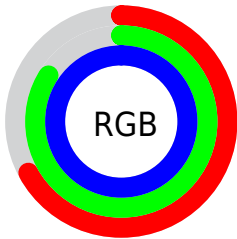
Format	Color
R_{YB}	171, 200, 255
Decimal	11261951
CIE _{Lab}	84.21, -5.07, -24.16
CIE _{LCh}	84, 24.686, 258.151
Yxy	64.4788, 0.2599, 0.2833
Android (android.graphics.Color)	4289452031 (0xFFABD7FF)
YUV	206.4040, 23.9578, -31.0493
Hunter-Lab	80.2987, -9.0286, -20.5570

Details

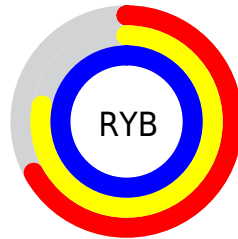
The Yxy color **64.4788, 0.2599, 0.2833** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.8037, 0.3762, 0.3705**, and the grayscale version is **61.8581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **32.9318, 0.2474, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **55.9271, 0.2438, 0.2666**, and if you desaturate by 10%, it is **74.0423, 0.2763, 0.2988**.

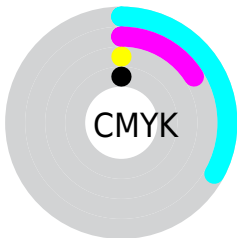
Distribution



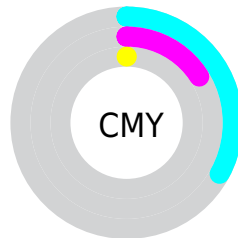
- Red (67%)
- Green (84%)
- Blue (100%)



- 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 64.4788, 0.2599, 0.2833 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 64.4788, 0.2599, 0.2833 by changing the saturation by 10% instead.

■ 64.4788, 0.2599,
0.2833

■ 64.4788, 0.2599,
0.2833

440.9166, 0.2844,
0.3048

■ 47.0386, 0.2543,
0.2783

■ 111.3002, 0.2684,
0.2908

■ 33.0662, 0.2475,
0.2722

141.4502, 0.2717,
0.2937

■ 22.1771, 0.2388,
0.2643

176.6055, 0.2745,
0.2962

■ 13.9871, 0.2276,
0.2541

217.1506, 0.2770,
0.2984

■ 8.1117, 0.2126,
0.2402

263.4699, 0.2792,
0.3003

■ 4.1665, 0.1916,
0.2203

315.9477, 0.2811,

■ 1.7671, 0.1604,

0.3020

0.1902

374.9685, 0.2828,
0.3035

0.4666, 0.0892,
0.1302

0.0000, 0.0000,
0.0000

64.4788, 0.2599,
0.2833

64.4788, 0.2599,
0.2833

55.9271, 0.2438,
0.2666

74.0423, 0.2763,
0.2988

48.3454, 0.2283,
0.2488

84.6565, 0.2925,
0.3129

41.6882, 0.2140,
0.2303

96.3579, 0.3082,
0.3256

35.9056, 0.2014,
0.2114

100.0000, 0.3127,
0.3290

■ 30.9408, 0.1910,
0.1927

■ 26.7271, 0.1829,
0.1747

■ 24.1385, 0.1785,
0.1625

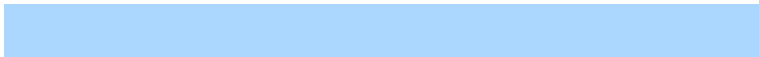
Harmonies

Analogous

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



64.4788, 0.2547, 0.3011



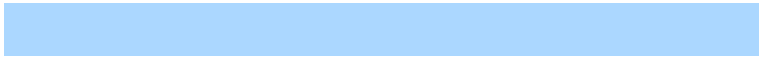
64.4788, 0.2599, 0.2833



64.4788, 0.2786, 0.2780

Triad

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



64.4788, 0.2599, 0.2833



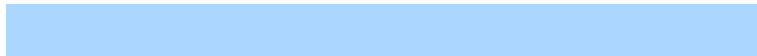
64.4788, 0.3636, 0.3264



64.4788, 0.3159, 0.3787

Complementary

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



64.4788, 0.2599, 0.2833



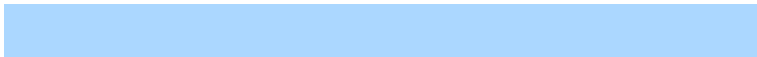
70.8037, 0.3762, 0.3705

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.



64.4788, 0.3459, 0.3841



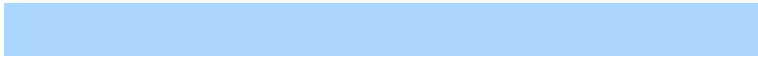
64.4788, 0.2599, 0.2833



64.4788, 0.3744, 0.3521

Square

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



64.4788, 0.2599, 0.2833



64.4788, 0.3384, 0.3024



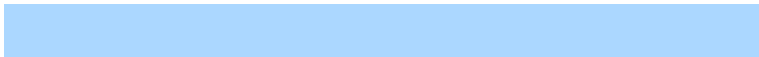
64.4788, 0.3677, 0.3735



64.4788, 0.2861, 0.3577

Rectangle

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



64.4788, 0.2599, 0.2833



64.4788, 0.2968, 0.2814



64.4788, 0.3677, 0.3735



64.4788, 0.3263, 0.3824

Sweetspot

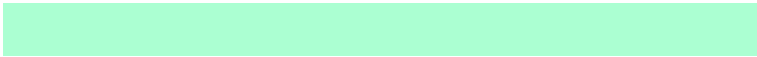
The Sweet Spot groups the original color and five complimentary colors.



64.4788, 0.2599, 0.2833



87.9732, 0.2971, 0.3167



84.8443, 0.2878, 0.3802



18.4871, 0.2949, 0.3149



0.0000, 0.0000, 0.0000



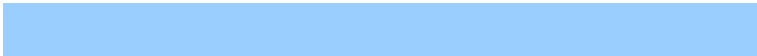
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4788, 0.2599, 0.2833



58.3321, 0.2485, 0.2716



46.0841, 0.2537, 0.2340



18.9518, 0.2979, 0.3174



12.9142, 0.1793, 0.1653



1.4763, 0.1848, 0.1852

Inverse Universe

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



55.3006, 0.3495, 0.2840



48.5186, 0.3606, 0.2741



93.9481, 0.3634, 0.4090



18.1460, 0.3212, 0.3166



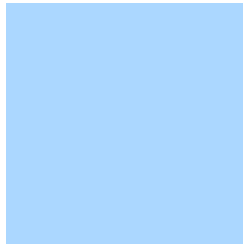
12.0317, 0.4864, 0.2453



1.1936, 0.4623, 0.2321

Previews

White Background



This preview shows how the Yxy color 64.4788, 0.2599, 0.2833 looks on a white background.

Color Contrast Check

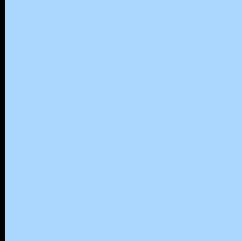
Large Text (above 18pt) WCAG AA × Fail

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 64.4788, 0.2599, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

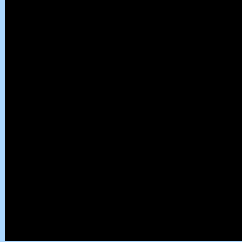
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

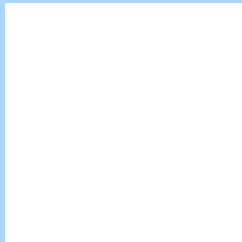
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4788, 0.2599, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 64.4788, 0.2599, 0.2833.



This preview shows how white text looks on a background with the Yxy color 64.4788, 0.2599, 0.2833.

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

64.4788, 0.2599, 0.2833

Protanopia

64.4314, 0.2805, 0.2828

Deuteranopia

64.0045, 0.2806, 0.2749



Tritanopia

64.4144, 0.2681, 0.3076

Trichromacy



Original Color

64.4788, 0.2599, 0.2833

Protanomaly

64.5640, 0.2724, 0.2832

Deuteranomaly

64.1584, 0.2724, 0.2781

Tritanomaly

64.4216, 0.2648, 0.2986

Monochromacy



Original Color

64.4788, 0.2599, 0.2833

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.3202, 0.2912, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4788, 0.2599, 0.2833 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(171, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.4788, 0.2599, 0.2833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

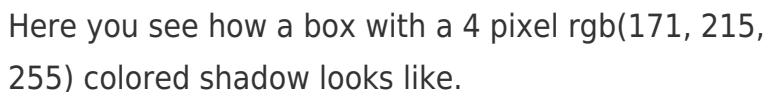
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 215, 255) }
```

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

```
.border{ border-color:rgb(171, 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(171, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4788, 0.2599, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 215, 255) }
```

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

```
.background{ background-color: rgb(171,  
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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