

Converting Colors

$Yxy(68.1758, 0.2650, 0.2902)$

Have a look what the booklet for
Yxy(68.1758, 0.2650, 0.2902)
contains.

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Color

Yxy(67.9901, 0.2652, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	B3DCFF
RGB	179, 220, 255
RGB Percent	70%, 86%, 100%
CMY	0.2979, 0.1373, 0.0000
CMYK	0.30, 0.14, 0.00, 0.00
HSL	208°, 100%, 85%
HSV	208°, 30%, 100%
XYZ	62.2402, 67.9901, 104.4611
YIQ	211.7310, -35.6710, 2.1930

Conversions

Conversions Part 2

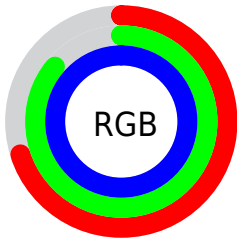
Format	Color
R _Y B	179, 206, 255
Decimal	11787519
CIE Lab	86.00, -5.47, -21.39
CIE LCh	86, 22.079, 255.654
Yxy	67.9901, 0.2652, 0.2897
Android (android.graphics.Color)	4289977599 (0xFFB3DCFF)
YUV	211.7310, 21.3316, -28.7051
Hunter-Lab	82.4561, -9.5614, -17.3934

Details

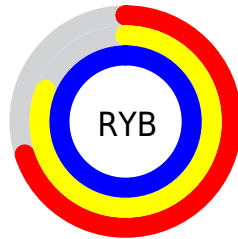
The Yxy color **67.9901, 0.2652, 0.2897** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.6275, 0.3693, 0.3652**, and the grayscale version is **65.5285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **35.2726, 0.2541, 0.2804** is the 20% darker color. If you saturate the color by 10%, you get **59.2762, 0.2491, 0.2739**, and if you desaturate by 10%, it is **77.7030, 0.2814, 0.3042**.

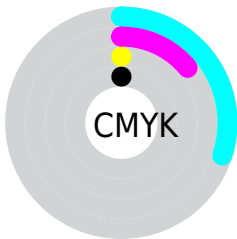
Distribution



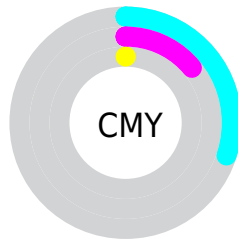
- Red (70%)
- Green (86%)
- Blue (100%)



- Red (70%)
- Yellow (81%)
- Blue (100%)



- Cyan (30%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9901, 0.2652, 0.2897 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 67.9901, 0.2652, 0.2897 by changing the saturation by 10% instead.

■ 67.9901, 0.2652,
0.2897

■ 67.9901, 0.2652,
0.2897

453.4609, 0.2871,
0.3081

■ 49.8897, 0.2603,
0.2855

■ 116.3380, 0.2728,
0.2961

■ 35.3257, 0.2542,
0.2802

147.3542, 0.2757,
0.2986

■ 23.9139, 0.2465,
0.2736

183.4445, 0.2783,
0.3007

■ 15.2698, 0.2366,
0.2649

224.9933, 0.2805,
0.3026

■ 9.0089, 0.2234,
0.2531

272.3850, 0.2824,
0.3042

■ 4.7470, 0.2048,
0.2362

326.0038, 0.2842,

■ 2.0996, 0.1772,

0.3057

0.2105

386.2344, 0.2857,
0.3070

0.6644, 0.1244,
0.1659

0.0000, 0.0000,
0.0000

67.9901, 0.2652,
0.2897

67.9901, 0.2652,
0.2897

59.2762, 0.2491,
0.2739

77.7030, 0.2814,
0.3042

51.5160, 0.2336,
0.2571

88.4466, 0.2975,
0.3174

44.6681, 0.2191,
0.2393

100.0000, 0.3127,
0.3290

38.6852, 0.2061,
0.2212

■ 33.5140, 0.1952,
0.2030

■ 29.0927, 0.1866,
0.1852

■ 25.3281, 0.1801,
0.1683

■ 25.2545, 0.1800,
0.1679

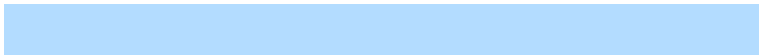
Harmonies

Analogous

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



67.9901, 0.2617, 0.3065



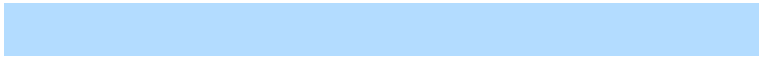
67.9901, 0.2652, 0.2897



67.9901, 0.2809, 0.2838

Triad

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



67.9901, 0.2652, 0.2897



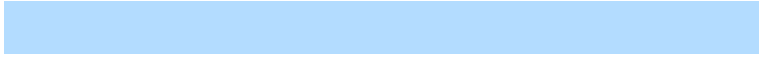
67.9901, 0.3559, 0.3250



67.9901, 0.3180, 0.3734

Complementary

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



67.9901, 0.2652, 0.2897



72.6275, 0.3693, 0.3652

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.



67.9901, 0.3440, 0.3771



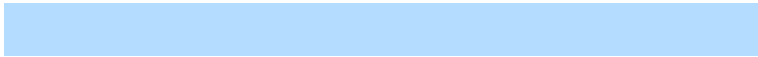
67.9901, 0.2652, 0.2897



67.9901, 0.3666, 0.3478

Square

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



67.9901, 0.2652, 0.2897



67.9901, 0.3332, 0.3040



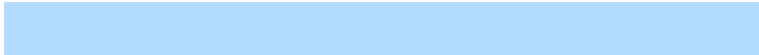
67.9901, 0.3621, 0.3671



67.9901, 0.2914, 0.3560

Rectangle

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



67.9901, 0.2652, 0.2897



67.9901, 0.2967, 0.2862



67.9901, 0.3621, 0.3671



67.9901, 0.3271, 0.3762

Sweetspot

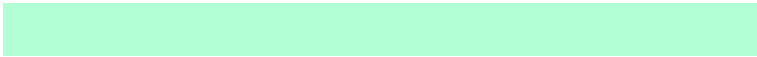
The Sweet Spot groups the original color and five complimentary colors.



67.9919, 0.2652, 0.2897



89.3417, 0.2987, 0.3184



85.9227, 0.2906, 0.3760



18.7716, 0.2964, 0.3166



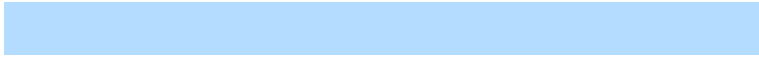
0.0000, 0.0000, 0.0000



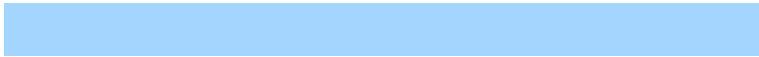
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9919, 0.2652, 0.2897



62.4658, 0.2552, 0.2801



50.6048, 0.2603, 0.2460



19.0005, 0.2979, 0.3178



13.4984, 0.1808, 0.1707



1.5330, 0.1861, 0.1901

Inverse Universe

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



58.6803, 0.3440, 0.2872



52.3144, 0.3529, 0.2782



93.6364, 0.3589, 0.4003



18.1509, 0.3209, 0.3163



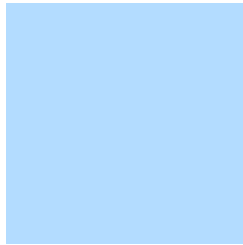
12.0906, 0.4798, 0.2417



1.1993, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 67.9901, 0.2652, 0.2897 looks on a white background.

Color Contrast Check

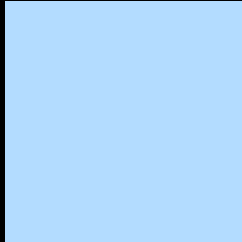
Large Text (above 18pt) WCAG AA × Fail

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 67.9901, 0.2652, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

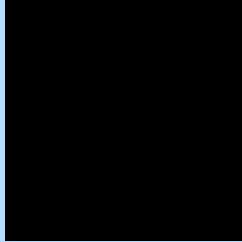
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

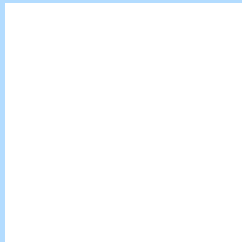
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9901, 0.2652, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 67.9901, 0.2652, 0.2897.

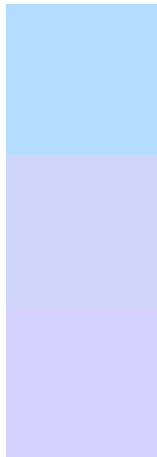


This preview shows how white text looks on a background with the Yxy color 67.9901, 0.2652, 0.2897.

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

67.9901, 0.2652, 0.2897

Protanopia

67.9005, 0.2854, 0.2890

Deuteranopia

67.6093, 0.2862, 0.2812



Tritanopia

67.7639, 0.2717, 0.3082

Trichromacy



Original Color

67.9901, 0.2652, 0.2897

Protanomaly

68.0103, 0.2773, 0.2895

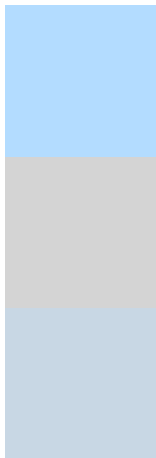
Deuteranomaly

67.7306, 0.2780, 0.2845

Tritanomaly

67.6526, 0.2695, 0.3015

Monochromacy



Original Color

67.9901, 0.2652, 0.2897

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.4817, 0.2936, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9901, 0.2652, 0.2897 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(179, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 220, 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(179, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.9901, 0.2652, 0.2897 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(179, 220, 255) }
```

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

```
.border{ border-color:rgb(179, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9901, 0.2652, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 220, 255) }
```

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

```
.background{ background-color: rgb(179,  
220, 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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