

Converting Colors

Yxy(66.4460, 0.2645, 0.2864)

Have a look what the booklet for
Yxy(66.4460, 0.2645, 0.2864)
contains.

Yxy(66.3107, 0.2642, 0.2862)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.3107, 0.2642, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	B2D9FF
RGB	178, 217, 255
RGB Percent	70%, 85%, 100%
CMY	0.3021, 0.1490, 0.0000
CMYK	0.30, 0.15, 0.00, 0.00
HSL	210°, 100%, 85%
HSV	210°, 30%, 100%
XYZ	61.2134, 66.3107, 104.1694
YIQ	209.6710, -35.4420, 3.5500

Conversions

Conversions Part 2

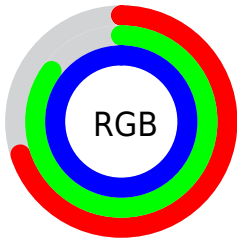
Format	Color
R_{YB}	178, 204, 255
Decimal	11721215
CIE _{Lab}	85.15, -4.22, -22.67
CIE _{LCh}	85, 23.056, 259.451
Yxy	66.3107, 0.2642, 0.2862
Android (android.graphics.Color)	4289911295 (0xFFB2D9FF)
YUV	209.6710, 22.3472, -27.7755
Hunter-Lab	81.4314, -8.3232, -18.8436

Details

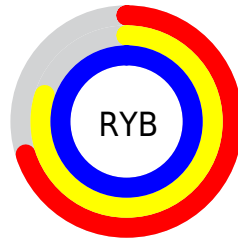
The Yxy color **66.3107, 0.2642, 0.2862** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.5459, 0.3695, 0.3682**, and the grayscale version is **64.0865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **34.1288, 0.2527, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **57.3374, 0.2478, 0.2692**, and if you desaturate by 10%, it is **76.3433, 0.2807, 0.3018**.

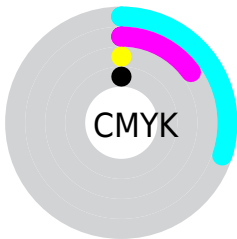
Distribution



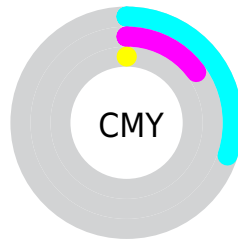
- Red (70%)
- Green (85%)
- Blue (100%)



- Red (70%)
- Yellow (80%)
- Blue (100%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3107, 0.2642, 0.2862 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 66.3107, 0.2642, 0.2862 by changing the saturation by 10% instead.

■ 66.3107, 0.2642,
0.2862

■ 66.3107, 0.2642,
0.2862

447.4872, 0.2866,
0.3063

■ 48.5247, 0.2591,
0.2816

■ 113.9322, 0.2720,
0.2932

■ 34.2426, 0.2528,
0.2759

144.5364, 0.2750,
0.2959

■ 23.0800, 0.2449,
0.2686

180.1821, 0.2776,
0.2982

■ 14.6526, 0.2347,
0.2592

221.2537, 0.2799,
0.3003

■ 8.5759, 0.2209,
0.2463

268.1357, 0.2819,
0.3020

■ 4.4656, 0.2016,
0.2280

321.2123, 0.2836,

■ 1.9373, 0.1729,

0.3036

0.2002

380.8680, 0.2852,
0.3050

0.5707, 0.1149,
0.1492

0.0000, 0.0000,
0.0000

66.3107, 0.2642,
0.2862

66.3107, 0.2642,
0.2862

57.3374, 0.2478,
0.2692

76.3433, 0.2807,
0.3018

49.3736, 0.2319,
0.2510

87.4667, 0.2968,
0.3160

42.3764, 0.2170,
0.2319

99.7204, 0.3124,
0.3288

36.2958, 0.2037,
0.2124

99.9992, 0.3127,
0.3290

■ 31.0762, 0.1923,
0.1930

■ 26.6524, 0.1834,
0.1742

■ 22.9970, 0.1769,
0.1569

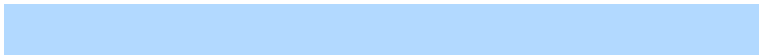
Harmonies

Analogous

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



66.3107, 0.2588, 0.3024



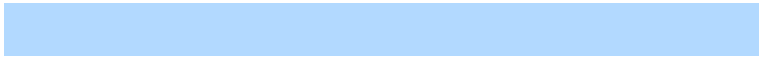
66.3107, 0.2642, 0.2862



66.3107, 0.2821, 0.2817

Triad

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



66.3107, 0.2642, 0.2862



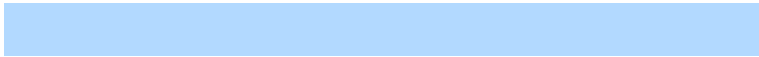
66.3107, 0.3605, 0.3277



66.3107, 0.3145, 0.3743

Complementary

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



66.3107, 0.2642, 0.2862



73.5459, 0.3695, 0.3682

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.



66.3107, 0.3425, 0.3800



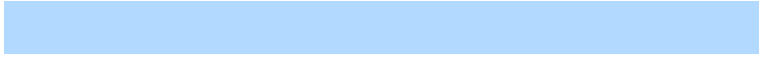
66.3107, 0.2642, 0.2862



66.3107, 0.3698, 0.3516

Square

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



66.3107, 0.2642, 0.2862



66.3107, 0.3377, 0.3052



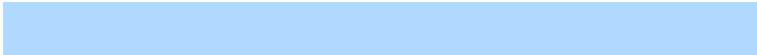
66.3107, 0.3630, 0.3710



66.3107, 0.2870, 0.3544

Rectangle

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



66.3107, 0.2642, 0.2862



66.3107, 0.2993, 0.2851



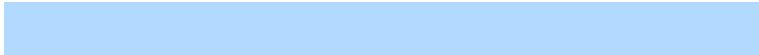
66.3107, 0.3630, 0.3710



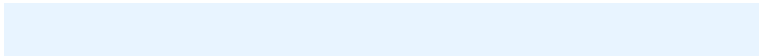
66.3107, 0.3242, 0.3779

Sweetspot

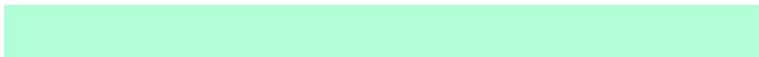
The Sweet Spot groups the original color and five complimentary colors.



66.3133, 0.2642, 0.2862



88.8973, 0.2987, 0.3177



85.8883, 0.2890, 0.3738



18.6621, 0.2964, 0.3157



0.0000, 0.0000, 0.0000



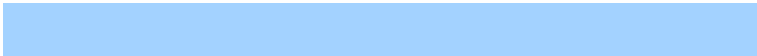
21.4041, 0.3127, 0.3290

Same Dimension

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



66.3133, 0.2642, 0.2862



60.9963, 0.2547, 0.2765



49.0163, 0.2591, 0.2416



18.9003, 0.2979, 0.3170



12.3172, 0.1777, 0.1597



1.4179, 0.1834, 0.1801

Inverse Universe

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



58.0923, 0.3467, 0.2891



52.1660, 0.3556, 0.2812



95.1664, 0.3589, 0.4036



18.1408, 0.3214, 0.3170



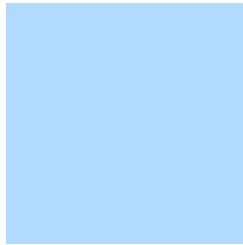
11.9714, 0.4934, 0.2492



1.1877, 0.4684, 0.2354

Previews

White Background



This preview shows how the Yxy color 66.3107, 0.2642, 0.2862 looks on a white background.

Color Contrast Check

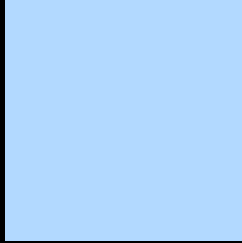
Large Text (above 18pt) WCAG AA × Fail

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 66.3107, 0.2642, 0.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

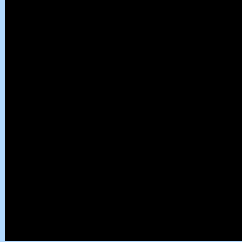
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

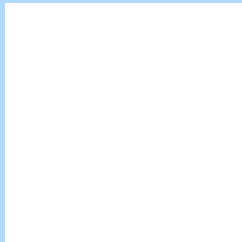
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3107, 0.2642, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 66.3107, 0.2642, 0.2862.



This preview shows how white text looks on a background with the Yxy color 66.3107, 0.2642, 0.2862.

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

66.3107, 0.2642, 0.2862

Protanopia

65.8327, 0.2826, 0.2853

Deuteranopia

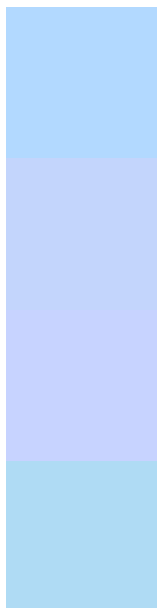
66.1806, 0.2841, 0.2787



Tritanopia

66.3581, 0.2714, 0.3080

Trichromacy



Original Color

66.3107, 0.2642, 0.2862

Protanomaly

66.2189, 0.2758, 0.2859

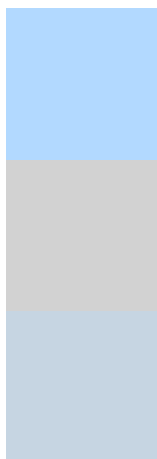
Deuteranomaly

65.9506, 0.2764, 0.2809

Tritanomaly

66.3086, 0.2686, 0.3002

Monochromacy



Original Color

66.3107, 0.2642, 0.2862

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.0853, 0.2935, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3107, 0.2642, 0.2862 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(178, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 217, 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(178, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.3107, 0.2642, 0.2862 is called "border". The border property can be set on classes, ids or directly on the HTML element.

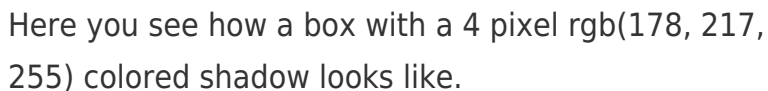
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 217, 255) }
```

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

```
.border{ border-color:rgb(178, 217, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 217, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 217, 255); box-shadow:4px 4px 4px 4px rgb(178, 217, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3107, 0.2642, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 217, 255) }
```

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

```
.background{ background-color: rgb(178,  
217, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor