

Converting Colors

$Yxy(66.0070, 0.2672, 0.2900)$

Have a look what the booklet for
Yxy(66.0070, 0.2672, 0.2900)
contains.

Yxy(66.2940, 0.2675, 0.2905)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.2940, 0.2675, 0.2905)

Conversions

Conversions Part 1

Format	Color
Hex	B4D9FB
RGB	180, 217, 251
RGB Percent	71%, 85%, 98%
CMY	0.2942, 0.1490, 0.0156
CMYK	0.28, 0.14, 0.00, 0.02
HSL	209°, 90%, 85%
HSV	209°, 28%, 98%
XYZ	61.0452, 66.2940, 100.8673
YIQ	209.8130, -32.9660, 2.7300

Conversions

Conversions Part 2

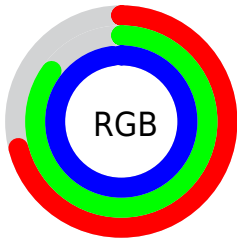
Format	Color
RYB	180, 204, 251
Decimal	11852283
CIELab	85.15, -4.58, -20.58
CIELCh	85, 21.080, 257.450
Yxy	66.2940, 0.2675, 0.2905
Android (android.graphics.Color)	4290042363 (0xFFB4D9FB)
YUV	209.8130, 20.3052, -26.1460
Hunter-Lab	81.4211, -8.6571, -16.4557

Details

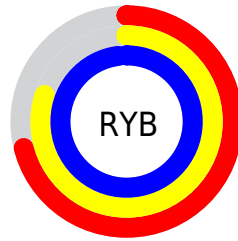
The Yxy color **66.2940, 0.2675, 0.2905** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.8956, 0.3655, 0.3646**, and the grayscale version is **64.1990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **34.1713, 0.2575, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **57.5805, 0.2512, 0.2743**, and if you desaturate by 10%, it is **76.0095, 0.2838, 0.3054**.

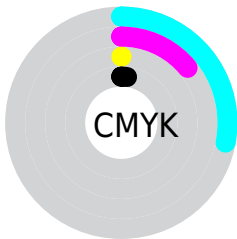
Distribution



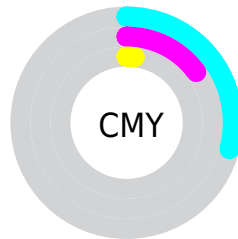
- Red (71%)
- Green (85%)
- Blue (98%)



- Red (71%)
- Yellow (80%)
- Blue (98%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (29%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2940, 0.2675, 0.2905 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 66.2940, 0.2675, 0.2905 by changing the saturation by 10% instead.

■ 66.2940, 0.2675,
0.2905

■ 66.2940, 0.2675,
0.2905

447.4276, 0.2884,
0.3086

■ 48.5111, 0.2627,
0.2863

■ 113.9082, 0.2748,
0.2968

■ 34.2318, 0.2569,
0.2811

144.5083, 0.2776,
0.2993

■ 23.0717, 0.2494,
0.2745

180.1496, 0.2800,
0.3014

■ 14.6465, 0.2398,
0.2659

221.2164, 0.2821,
0.3032

■ 8.5717, 0.2268,
0.2541

268.0933, 0.2840,
0.3048

■ 4.4629, 0.2084,
0.2372

321.1645, 0.2857,

■ 1.9357, 0.1808,

0.3062

0.2111

380.8145, 0.2871,
0.3075

0.5697, 0.1219,
0.1616

0.0000, 0.0000,
0.0000

66.2940, 0.2675,
0.2905

66.2940, 0.2675,
0.2905

57.5805, 0.2512,
0.2743

76.0095, 0.2838,
0.3054

49.8220, 0.2353,
0.2569

86.7557, 0.2998,
0.3189

42.9791, 0.2204,
0.2385

98.5167, 0.3151,
0.3309

37.0058, 0.2070,
0.2197

99.7468, 0.3150,
0.3328

■ 31.8505, 0.1954,
0.2007

■ 27.4540, 0.1862,
0.1823

■ 23.7375, 0.1793,
0.1647

■ 23.1590, 0.1783,
0.1619

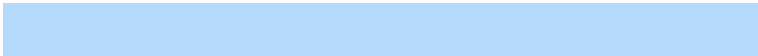
Harmonies

Analogous

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



66.2940, 0.2633, 0.3061



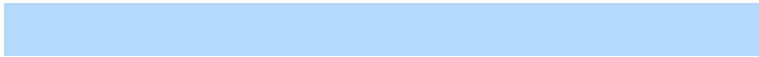
66.2940, 0.2675, 0.2905



66.2940, 0.2833, 0.2855

Triad

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



66.2940, 0.2675, 0.2905



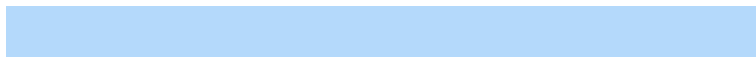
66.2940, 0.3553, 0.3265



66.2940, 0.3163, 0.3710

Complementary

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



66.2940, 0.2675, 0.2905



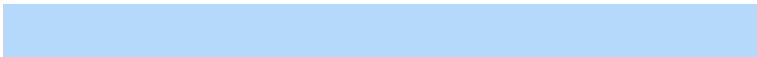
71.8956, 0.3655, 0.3646

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.



66.2940, 0.3415, 0.3754



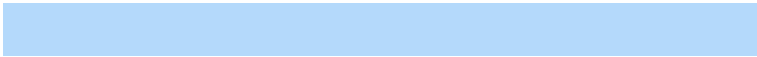
66.2940, 0.2675, 0.2905



66.2940, 0.3648, 0.3484

Square

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



66.2940, 0.2675, 0.2905



66.2940, 0.3340, 0.3060



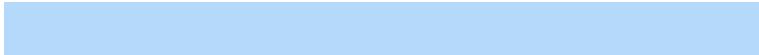
66.2940, 0.3595, 0.3666



66.2940, 0.2908, 0.3537

Rectangle

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



66.2940, 0.2675, 0.2905



66.2940, 0.2988, 0.2882



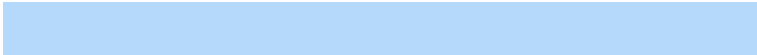
66.2940, 0.3595, 0.3666



66.2940, 0.3251, 0.3740

Sweetspot

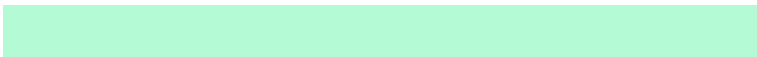
The Sweet Spot groups the original color and five complimentary colors.



66.2966, 0.2675, 0.2905



90.2604, 0.3003, 0.3193



83.5221, 0.2910, 0.3719



18.9445, 0.2979, 0.3173



0.0000, 0.0000, 0.0000



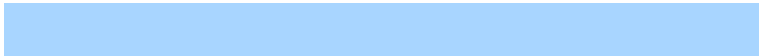
21.4041, 0.3127, 0.3290

Same Dimension

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



66.2966, 0.2675, 0.2905



63.4146, 0.2581, 0.2814



50.2608, 0.2632, 0.2495



18.1401, 0.2980, 0.3174



12.4641, 0.1791, 0.1647



1.3668, 0.1849, 0.1856

Inverse Universe

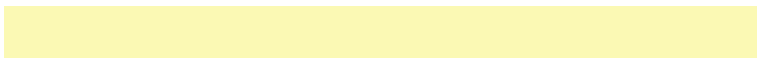
The Inverse Universe completely reimagines the original color for something new.



58.1547, 0.3431, 0.2907



54.2053, 0.3513, 0.2827



91.3493, 0.3562, 0.3978



17.3764, 0.3212, 0.3167



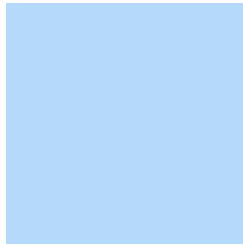
11.6692, 0.4872, 0.2458



1.1022, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 66.2940, 0.2675, 0.2905 looks on a white background.

Color Contrast Check

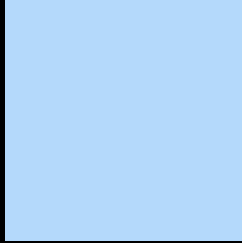
Large Text (above 18pt) WCAG AA × Fail

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 66.2940, 0.2675, 0.2905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

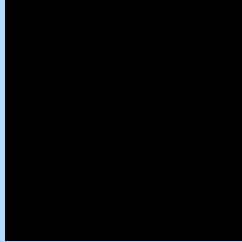
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

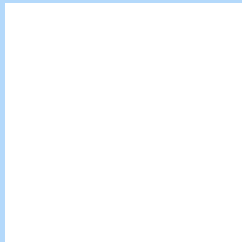
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.2940, 0.2675, 0.2905

Background



This preview shows how black text looks on a background with the Yxy color 66.2940, 0.2675, 0.2905.

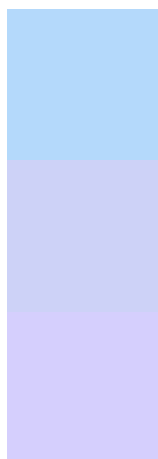


This preview shows how white text looks on a background with the Yxy color 66.2940, 0.2675, 0.2905.

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

66.2940, 0.2675, 0.2905

Protanopia

65.7877, 0.2851, 0.2885

Deuteranopia

65.8636, 0.2866, 0.2798



Tritanopia

66.1246, 0.2737, 0.3080

Trichromacy



Original Color

66.2940, 0.2675, 0.2905

Protanomaly

66.1016, 0.2787, 0.2901

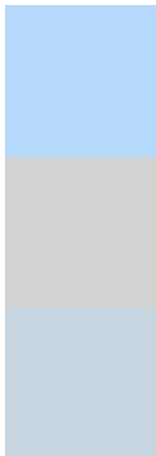
Deuteranomaly

66.0343, 0.2795, 0.2841

Tritanomaly

66.0186, 0.2714, 0.3013

Monochromacy



Original Color

66.2940, 0.2675, 0.2905

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.1669, 0.2948, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2940, 0.2675, 0.2905 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(180, 217, 251)` looks like.

```
.text, #text, p{  
    color:rgb(180, 217, 251)  
}
```

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(180, 217, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 217, 251) }
```

Border

The CSS property to change the border of an element to Yxy 66.2940, 0.2675, 0.2905 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(180, 217, 251) }
```

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

```
.border{ border-color:rgb(180, 217, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 217, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 217, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 217, 251);  
box-shadow:4px 4px 4px 4px rgb(180, 217,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2940, 0.2675, 0.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 217, 251) }
```

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

```
.background{ background-color: rgb(180,  
217, 251) }
```

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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