

Converting Colors

$Yxy(66.7492, 0.2692, 0.2971)$

Have a look what the booklet for
Yxy(66.7492, 0.2692, 0.2971)
contains.

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Color

Yxy(66.9621, 0.2694, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	B3DBF7
RGB	179, 219, 247
RGB Percent	70%, 86%, 97%
CMY	0.2978, 0.1412, 0.0314
CMYK	0.27, 0.11, 0.00, 0.03
HSL	205°, 81%, 84%
HSV	205°, 27%, 97%
XYZ	60.7189, 66.9621, 97.7047
YIQ	210.2320, -32.8280, 0.2280

Conversions

Conversions Part 2

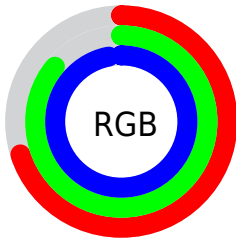
Format	Color
R_{YB}	179, 204, 247
Decimal	11787255
CIE _{Lab}	85.48, -6.81, -17.93
CIE _{LCh}	85, 19.183, 249.206
Yxy	66.9621, 0.2694, 0.2971
Android (android.graphics.Color)	4289977335 (0xFFB3DBF7)
YUV	210.2320, 18.1266, -27.3905
Hunter-Lab	81.8304, -10.7545, -13.5105

Details

The Yxy color **66.9621, 0.2694, 0.2971** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6814, 0.3649, 0.3588**, and the grayscale version is **64.5124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **34.6725, 0.2591, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **59.1298, 0.2537, 0.2834**, and if you desaturate by 10%, it is **75.6517, 0.2853, 0.3097**.

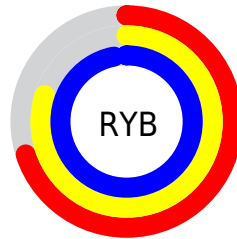
Distribution



Red (70%)

Green (86%)

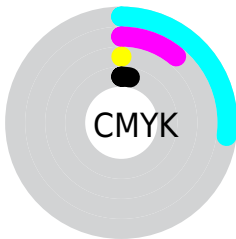
Blue (97%)



Red (70%)

Yellow (80%)

Blue (97%)

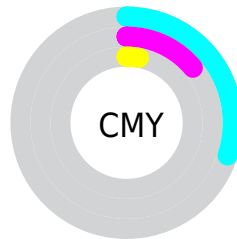


Cyan (27%)

Magenta (11%)

Yellow (0%)

Black (3%)



Cyan (30%)

Magenta (14%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9621, 0.2694, 0.2971 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 66.9621, 0.2694, 0.2971 by changing the saturation by 10% instead.

■ 66.9621, 0.2694,
0.2971

■ 66.9621, 0.2694,
0.2971

■ 449.8099, 0.2894,
0.3122

■ 49.0538, 0.2648,
0.2936

■ 114.8661, 0.2763,
0.3024

■ 34.6622, 0.2592,
0.2892

■ 145.6306, 0.2790,
0.3044

■ 23.4028, 0.2521,
0.2837

■ 181.4493, 0.2814,
0.3062

■ 14.8912, 0.2429,
0.2763

■ 222.7067, 0.2834,
0.3077

■ 8.7431, 0.2304,
0.2662

■ 269.7870, 0.2852,
0.3090

■ 4.5740, 0.2128,
0.2515

■ 323.0747, 0.2868,

■ 1.9995, 0.1860,

0.3102

0.2284

382.9542, 0.2882,
0.3113

0.6072, 0.1253,
0.1851

0.0000, 0.0000,
0.0000

66.9621, 0.2694,
0.2971

66.9621, 0.2694,
0.2971

59.1298, 0.2537,
0.2834

75.6517, 0.2853,
0.3097

52.1128, 0.2386,
0.2686

85.2221, 0.3011,
0.3212

45.8771, 0.2245,
0.2531

95.7059, 0.3165,
0.3315

40.3826, 0.2119,
0.2371

99.4943, 0.3174,
0.3367

■ 35.5841, 0.2012,
0.2208

■ 31.4296, 0.1926,
0.2048

■ 27.8523, 0.1863,
0.1892

■ 27.0241, 0.1849,
0.1854

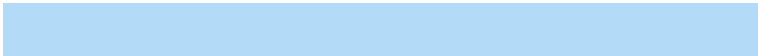
Harmonies

Analogous

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



66.9621, 0.2688, 0.3137



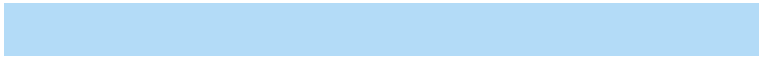
66.9621, 0.2694, 0.2971



66.9621, 0.2811, 0.2896

Triad

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



66.9621, 0.2694, 0.2971



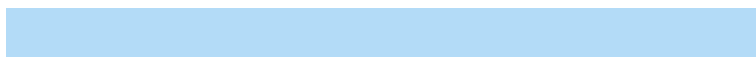
66.9621, 0.3468, 0.3214



66.9621, 0.3226, 0.3693

Complementary

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



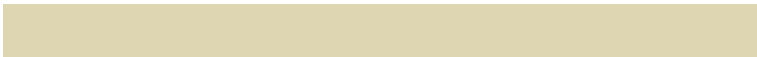
66.9621, 0.2694, 0.2971



67.6814, 0.3649, 0.3588

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.



66.9621, 0.3443, 0.3700



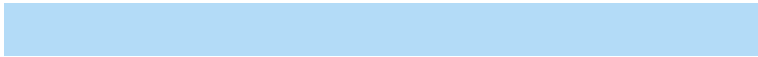
66.9621, 0.2694, 0.2971



66.9621, 0.3588, 0.3415

Square

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



66.9621, 0.2694, 0.2971



66.9621, 0.3256, 0.3037



66.9621, 0.3578, 0.3594



66.9621, 0.2989, 0.3565

Rectangle

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



66.9621, 0.2694, 0.2971



66.9621, 0.2940, 0.2903



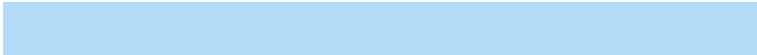
66.9621, 0.3578, 0.3594



66.9621, 0.3304, 0.3709

Sweetspot

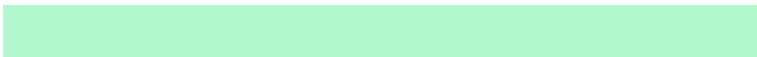
The Sweet Spot groups the original color and five complimentary colors.



66.9648, 0.2694, 0.2971



91.0867, 0.3003, 0.3206



80.5697, 0.2940, 0.3758



19.1527, 0.2979, 0.3190



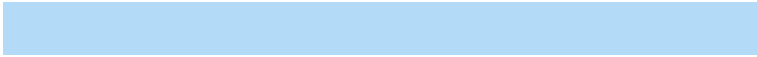
0.0000, 0.0000, 0.0000



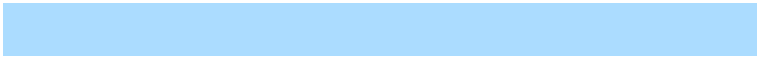
21.4041, 0.3127, 0.3290

Same Dimension

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



66.9648, 0.2694, 0.2971



67.2152, 0.2606, 0.2896



51.3641, 0.2654, 0.2576



17.5459, 0.2980, 0.3190



14.5812, 0.1856, 0.1880



1.4837, 0.1910, 0.2074

Inverse Universe

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



57.1519, 0.3382, 0.2873



55.5134, 0.3449, 0.2786



85.4606, 0.3561, 0.3916



16.6460, 0.3201, 0.3152



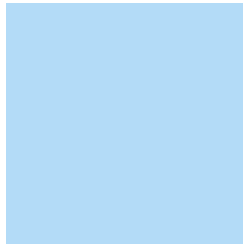
11.5713, 0.4591, 0.2303



1.0374, 0.4370, 0.2181

Previews

White Background



This preview shows how the Yxy color 66.9621, 0.2694, 0.2971 looks on a white background.

Color Contrast Check

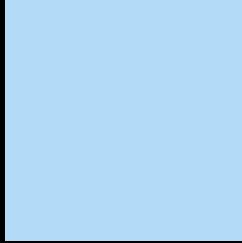
Large Text (above 18pt) WCAG AA × Fail

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 66.9621, 0.2694, 0.2971 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

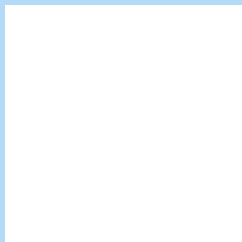
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9621, 0.2694, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 66.9621, 0.2694, 0.2971.



This preview shows how white text looks on a background with the Yxy color 66.9621, 0.2694, 0.2971.

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

66.9621, 0.2694, 0.2971

Protanopia

66.4092, 0.2902, 0.2950

Deuteranopia

66.5502, 0.2912, 0.2851



Tritanopia

66.7066, 0.2732, 0.3081

Trichromacy



Original Color

66.9621, 0.2694, 0.2971

Protanomaly

66.4951, 0.2818, 0.2956

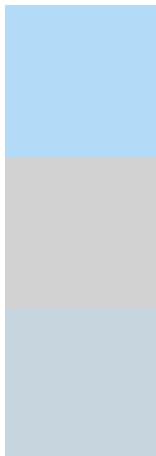
Deuteranomaly

66.5608, 0.2832, 0.2895

Tritanomaly

67.0023, 0.2722, 0.3048

Monochromacy



Original Color

66.9621, 0.2694, 0.2971

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.0583, 0.2961, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9621, 0.2694, 0.2971 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, 219, 247)` looks like.

```
.text, #text, p{  
    color:rgb(179, 219, 247)  
}
```

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, 219, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 219, 247) }
```

Border

The CSS property to change the border of an element to Yxy 66.9621, 0.2694, 0.2971 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, 219, 247) }
```

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

```
.border{ border-color:rgb(179, 219, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 219, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 219, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 219, 247);  
box-shadow:4px 4px 4px 4px rgb(179, 219,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9621, 0.2694, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 219, 247) }
```

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

```
.background{ background-color: rgb(179,  
219, 247) }
```

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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