

Converting Colors

$Yxy(65.9738, 0.2630, 0.2858)$

Have a look what the booklet for
Yxy(65.9738, 0.2630, 0.2858)
contains.

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Color

Yxy(66.0758, 0.2631, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	B0D9FF
RGB	176, 217, 255
RGB Percent	69%, 85%, 100%
CMY	0.3094, 0.1491, 0.0000
CMYK	0.31, 0.15, 0.00, 0.00
HSL	209°, 100%, 85%
HSV	209°, 31%, 100%
XYZ	60.7851, 66.0758, 104.1734
YIQ	209.0730, -36.6340, 3.1260

Conversions

Conversions Part 2

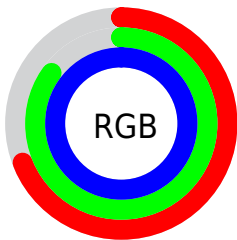
Format	Color
R _Y B	176, 203, 255
Decimal	11590143
CIE Lab	85.04, -4.72, -22.88
CIE LCh	85, 23.356, 258.353
Yxy	66.0758, 0.2631, 0.2860
Android (android.graphics.Color)	4289780223 (0xFFB0D9FF)
YUV	209.0730, 22.6420, -29.0050
Hunter-Lab	81.2870, -8.7729, -19.0822

Details

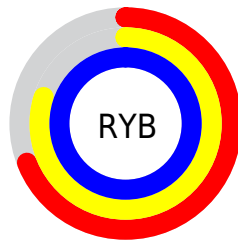
The Yxy color **66.0758, 0.2631, 0.2860** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.5494, 0.3714, 0.3683**, and the grayscale version is **63.6893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **33.9828, 0.2513, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **57.2771, 0.2468, 0.2693**, and if you desaturate by 10%, it is **75.9071, 0.2795, 0.3014**.

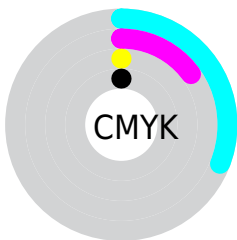
Distribution



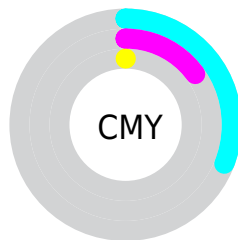
- Red (69%)
- Green (85%)
- Blue (100%)



- Red (69%)
- Yellow (80%)
- Blue (100%)



- Cyan (31%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0758, 0.2631, 0.2860 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 66.0758, 0.2631, 0.2860 by changing the saturation by 10% instead.

■ 66.0758, 0.2631,
0.2860

■ 66.0758, 0.2631,
0.2860

■ 446.6479, 0.2860,
0.3062

■ 48.3339, 0.2579,
0.2814

■ 113.5951, 0.2710,
0.2930

■ 34.0914, 0.2515,
0.2756

■ 144.1414, 0.2741,
0.2958

■ 22.9638, 0.2434,
0.2683

■ 179.7245, 0.2768,
0.2981

■ 14.5668, 0.2329,
0.2588

■ 220.7290, 0.2791,
0.3001

■ 8.5159, 0.2189,
0.2458

■ 267.5392, 0.2812,
0.3019

■ 4.4268, 0.1992,
0.2273

■ 320.5395, 0.2830,

■ 1.9151, 0.1700,

0.3035

0.1992

380.1143, 0.2846,
0.3049

■ 0.5574, 0.1095,
0.1472

■ 0.0000, 0.0000,
0.0000

■ 66.0758, 0.2631,
0.2860

■ 66.0758, 0.2631,
0.2860

■ 57.2771, 0.2468,
0.2693

■ 75.9071, 0.2795,
0.3014

■ 49.4656, 0.2311,
0.2515

■ 86.8058, 0.2956,
0.3154

■ 42.5976, 0.2165,
0.2328

■ 98.8098, 0.3113,
0.3279

■ 36.6236, 0.2034,
0.2138

■ 100.0000, 0.3127,
0.3290

■ 31.4881, 0.1925,
0.1948

■ 27.1264, 0.1839,
0.1764

■ 23.7584, 0.1780,
0.1607

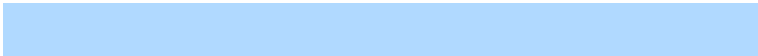
Harmonies

Analogous

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



66.0758, 0.2581, 0.3028



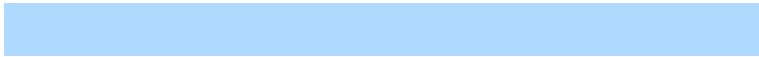
66.0758, 0.2631, 0.2860



66.0758, 0.2808, 0.2810

Triad

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



66.0758, 0.2631, 0.2860



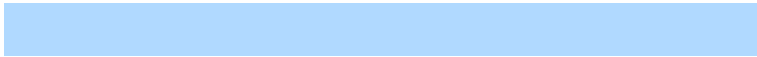
66.0758, 0.3605, 0.3268



66.0758, 0.3156, 0.3754

Complementary

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



66.0758, 0.2631, 0.2860



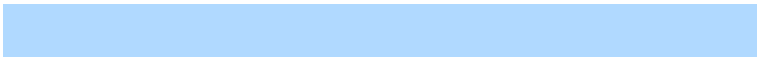
72.5494, 0.3714, 0.3683

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.



66.0758, 0.3438, 0.3807



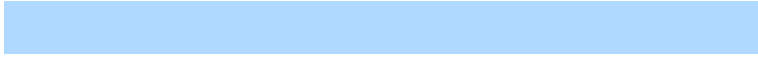
66.0758, 0.2631, 0.2860



66.0758, 0.3706, 0.3510

Square

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



66.0758, 0.2631, 0.2860



66.0758, 0.3371, 0.3041



66.0758, 0.3642, 0.3710



66.0758, 0.2876, 0.3557

Rectangle

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



66.0758, 0.2631, 0.2860



66.0758, 0.2980, 0.2842



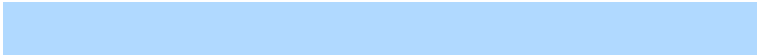
66.0758, 0.3642, 0.3710



66.0758, 0.3254, 0.3789

Sweetspot

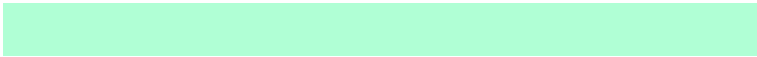
The Sweet Spot groups the original color and five complimentary colors.



66.0771, 0.2631, 0.2860



89.0506, 0.2987, 0.3179



85.5611, 0.2891, 0.3766



18.6999, 0.2964, 0.3160



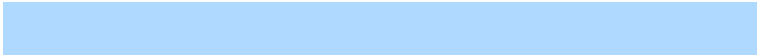
0.0000, 0.0000, 0.0000



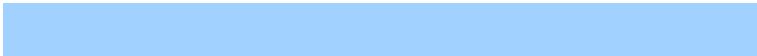
21.4041, 0.3127, 0.3290

Same Dimension

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



66.0771, 0.2631, 0.2860



60.6266, 0.2532, 0.2761



48.5915, 0.2578, 0.2407



18.9349, 0.2979, 0.3173



12.7151, 0.1788, 0.1635



1.4569, 0.1843, 0.1835

Inverse Universe

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



57.3569, 0.3470, 0.2872



51.2578, 0.3562, 0.2788



94.2517, 0.3603, 0.4042



18.1443, 0.3213, 0.3167



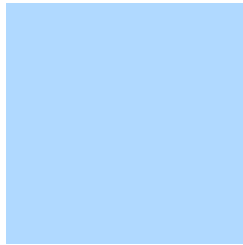
12.0116, 0.4887, 0.2466



1.1916, 0.4643, 0.2332

Previews

White Background



This preview shows how the Yxy color 66.0758, 0.2631, 0.2860 looks on a white background.

Color Contrast Check

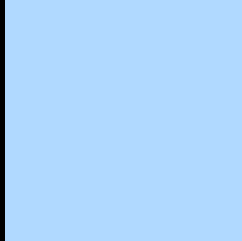
Large Text (above 18pt) WCAG AA × Fail

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 66.0758, 0.2631, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

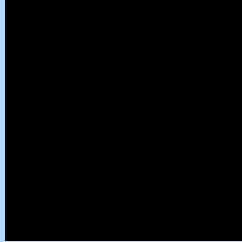
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

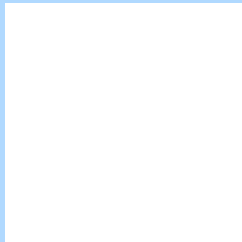
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.0758, 0.2631, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 66.0758, 0.2631, 0.2860.



This preview shows how white text looks on a background with the Yxy color 66.0758, 0.2631, 0.2860.

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

66.0758, 0.2631, 0.2860

Protanopia

65.8327, 0.2826, 0.2853

Deuteranopia

65.5473, 0.2834, 0.2775



Tritanopia

66.1301, 0.2702, 0.3079

Trichromacy



Original Color

66.0758, 0.2631, 0.2860

Protanomaly

66.0861, 0.2751, 0.2858

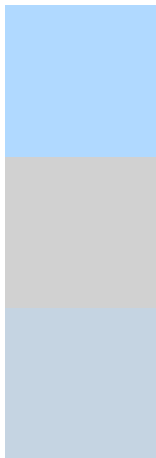
Deuteranomaly

65.8143, 0.2758, 0.2808

Tritanomaly

66.0789, 0.2674, 0.3001

Monochromacy



Original Color

66.0758, 0.2631, 0.2860

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.4483, 0.2928, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0758, 0.2631, 0.2860 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(176, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.0758, 0.2631, 0.2860 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(176, 217, 255) }
```

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

```
.border{ border-color:rgb(176, 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(176, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0758, 0.2631, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 217, 255) }
```

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

```
.background{ background-color: rgb(176,  
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](#).

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