

Converting Colors

$Yxy(67.2107, 0.2650, 0.2908)$

Have a look what the booklet for
Yxy(67.2107, 0.2650, 0.2908)
contains.

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Color

Yxy(67.1020, 0.2650, 0.2905)

Conversions

Conversions Part 1

Format	Color
Hex	B1DBFD
RGB	177, 219, 253
RGB Percent	69%, 86%, 99%
CMY	0.3055, 0.1413, 0.0077
CMYK	0.30, 0.13, 0.00, 0.01
HSL	207°, 95%, 84%
HSV	207°, 30%, 99%
XYZ	61.2118, 67.1020, 102.6741
YIQ	210.3180, -35.9460, 1.6700

Conversions

Conversions Part 2

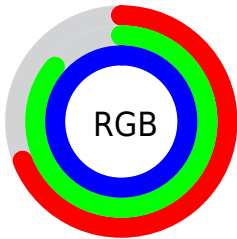
Format	Color
R _{YB}	177, 204, 253
Decimal	11656189
CIE Lab	85.56, -5.95, -21.03
CIE LCh	86, 21.855, 254.195
Yxy	67.1020, 0.2650, 0.2905
Android (android.graphics.Color)	4289846269 (0xFFB1DBFD)
YUV	210.3180, 21.0422, -29.2199
Hunter-Lab	81.9158, -9.9681, -16.9736

Details

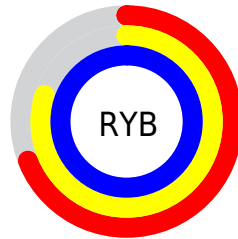
The Yxy color **67.1020, 0.2650, 0.2905** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.7260, 0.3700, 0.3645**, and the grayscale version is **64.5589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **34.6740, 0.2538, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **58.6827, 0.2490, 0.2752**, and if you desaturate by 10%, it is **76.4810, 0.2812, 0.3046**.

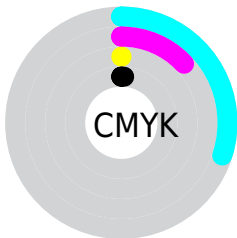
Distribution



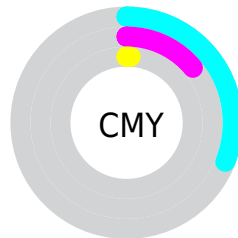
- Red (69%)
- Green (86%)
- Blue (99%)



- Red (69%)
- Yellow (80%)
- Blue (99%)



- Cyan (30%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (31%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1020, 0.2650, 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 67.1020, 0.2650, 0.2905 by changing the saturation by 10% instead.

67.1020, 0.2650,
0.2905

67.1020, 0.2650,
0.2905

450.3078, 0.2870,
0.3086

49.1675, 0.2600,
0.2863

115.0666, 0.2726,
0.2968

34.7524, 0.2539,
0.2811

145.8654, 0.2756,
0.2993

23.4722, 0.2461,
0.2745

181.7212, 0.2781,
0.3014

14.9426, 0.2361,
0.2659

223.0183, 0.2804,
0.3032

8.7791, 0.2227,
0.2541

270.1411, 0.2823,
0.3048

4.5974, 0.2037,
0.2372

323.4740, 0.2841,

2.0130, 0.1756,

0.3062

0.2113

383.4014, 0.2856,
0.3075

0.6150, 0.1176,
0.1646

0.0000, 0.0000,
0.0000

67.1020, 0.2650,
0.2905

67.1020, 0.2650,
0.2905

58.6827, 0.2490,
0.2752

76.4810, 0.2812,
0.3046

51.1768, 0.2337,
0.2588

86.8477, 0.2971,
0.3175

44.5451, 0.2194,
0.2415

98.2385, 0.3127,
0.3290

38.7420, 0.2067,
0.2239

99.8735, 0.3139,
0.3309

■ 33.7158, 0.1959,
0.2062

■ 29.4066, 0.1875,
0.1889

■ 25.7236, 0.1812,
0.1723

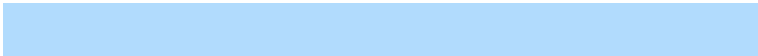
Harmonies

Analogous

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



67.1020, 0.2621, 0.3076



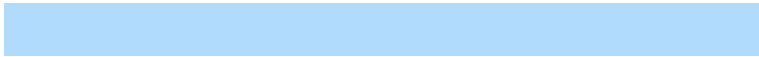
67.1020, 0.2650, 0.2905



67.1020, 0.2801, 0.2841

Triad

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



67.1020, 0.2650, 0.2905



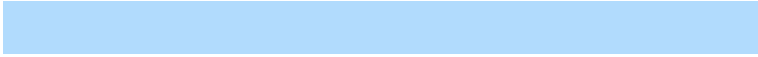
67.1020, 0.3548, 0.3239



67.1020, 0.3193, 0.3736

Complementary

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



67.1020, 0.2650, 0.2905



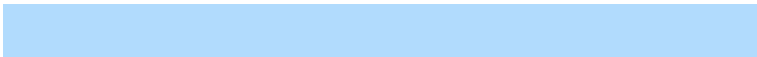
70.7260, 0.3700, 0.3645

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.



67.1020, 0.3449, 0.3766



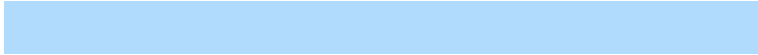
67.1020, 0.2650, 0.2905



67.1020, 0.3661, 0.3466

Square

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



67.1020, 0.2650, 0.2905



67.1020, 0.3318, 0.3032



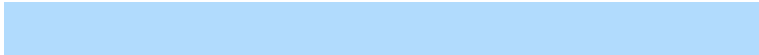
67.1020, 0.3624, 0.3661



67.1020, 0.2927, 0.3570

Rectangle

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



67.1020, 0.2650, 0.2905



67.1020, 0.2955, 0.2861



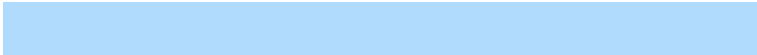
67.1020, 0.3624, 0.3661



67.1020, 0.3283, 0.3762

Sweetspot

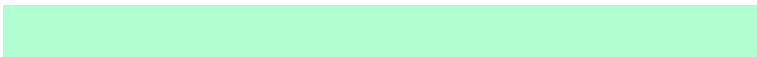
The Sweet Spot groups the original color and five complimentary colors.



67.1047, 0.2650, 0.2905



89.5132, 0.2987, 0.3187



84.2784, 0.2911, 0.3779



18.8138, 0.2964, 0.3169



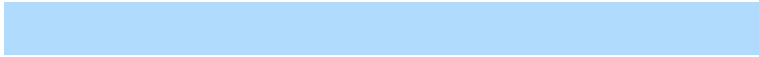
0.0000, 0.0000, 0.0000



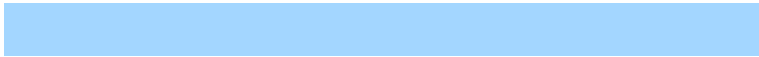
21.4041, 0.3127, 0.3290

Same Dimension

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



67.1047, 0.2650, 0.2905



63.0382, 0.2554, 0.2814



49.9740, 0.2601, 0.2469



19.0391, 0.2979, 0.3181



13.9765, 0.1819, 0.1750



1.5791, 0.1872, 0.1940

Inverse Universe

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



57.4842, 0.3435, 0.2860



52.3722, 0.3518, 0.2771



91.1780, 0.3595, 0.3997



18.1548, 0.3207, 0.3160



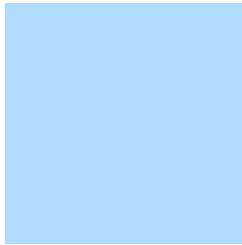
12.1389, 0.4746, 0.2388



1.2040, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 67.1020, 0.2650, 0.2905 looks on a white background.

Color Contrast Check

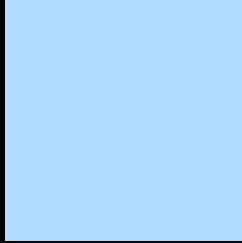
Large Text (above 18pt) WCAG AA × Fail

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 67.1020, 0.2650, 0.2905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

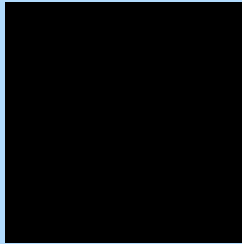
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

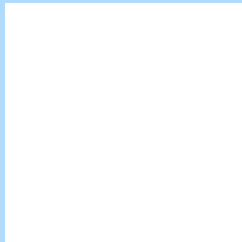
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.1020, 0.2650, 0.2905

Background



This preview shows how black text looks on a background with the Yxy color 67.1020, 0.2650, 0.2905.



This preview shows how white text looks on a background with the Yxy color 67.1020, 0.2650, 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

67.1020, 0.2650, 0.2905

Protanopia

67.1297, 0.2859, 0.2898

Deuteranopia

66.9671, 0.2855, 0.2800



Tritanopia

66.9436, 0.2710, 0.3080

Trichromacy



Original Color

67.1020, 0.2650, 0.2905

Protanomaly

67.2388, 0.2777, 0.2903

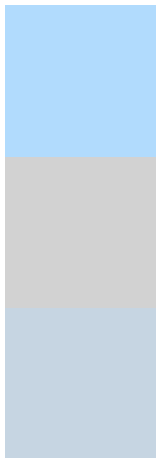
Deuteranomaly

67.0236, 0.2778, 0.2843

Tritanomaly

66.8320, 0.2687, 0.3013

Monochromacy



Original Color

67.1020, 0.2650, 0.2905

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 67.1020, 0.2650, 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(177, 219, 253)` looks like.

```
.text, #text, p{  
    color:rgb(177, 219, 253)  
}
```

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(177, 219, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 219, 253) }
```

Border

The CSS property to change the border of an element to Yxy 67.1020, 0.2650, 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(177, 219, 253) }
```

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

```
.border{ border-color:rgb(177, 219, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 219, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 219, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 219, 253);  
box-shadow:4px 4px 4px 4px rgb(177, 219,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1020, 0.2650, 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(177, 219, 253) }
```

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

```
.background{ background-color: rgb(177,  
219, 253) }
```

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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