

Converting Colors

$Yxy(71.6809, 0.2428, 0.2539)$

Have a look what the booklet for
Yxy(71.6809, 0.2428, 0.2539)
contains.

Yxy(68.7660, 0.2617, 0.2928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.7660, 0.2617, 0.2928)

Conversions

Conversions Part 1

Format	Color
Hex	ACDFFF
RGB	172, 223, 255
RGB Percent	67%, 87%, 100%
CMY	0.3252, 0.1255, 0.0001
CMYK	0.33, 0.13, 0.00, 0.00
HSL	203°, 100%, 84%
HSV	203°, 33%, 100%
XYZ	61.4620, 68.7660, 104.6286
YIQ	211.3990, -40.6680, -0.8600

Conversions

Conversions Part 2

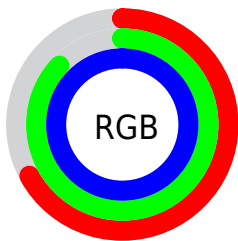
Format	Color
R _Y B	172, 204, 255
Decimal	11329535
CIE Lab	86.39, -8.95, -20.83
CIE LCh	86, 22.672, 246.738
Yxy	68.7660, 0.2617, 0.2928
Android (android.graphics.Color)	4289519615 (0xFFACDFFF)
YUV	211.3990, 21.4953, -34.5529
Hunter-Lab	82.9253, -12.8199, -16.7598

Details

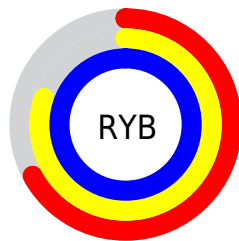
The Yxy color **68.7660, 0.2617, 0.2928** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.4632, 0.3777, 0.3624**, and the grayscale version is **65.3054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **35.8644, 0.2501, 0.2845** is the 20% darker color. If you saturate the color by 10%, you get **61.0466, 0.2465, 0.2795**, and if you desaturate by 10%, it is **77.3500, 0.2774, 0.3051**.

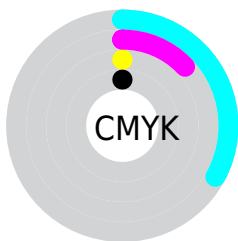
Distribution



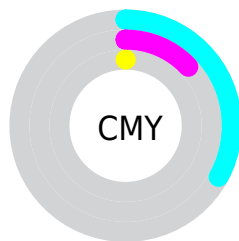
- Red (67%)
- Green (87%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7660, 0.2617, 0.2928 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 68.7660, 0.2617, 0.2928 by changing the saturation by 10% instead.

68.7660, 0.2617,
0.2928

68.7660, 0.2617,
0.2928

456.2052, 0.2851,
0.3099

50.5212, 0.2564,
0.2888

117.4473, 0.2698,
0.2988

35.8277, 0.2500,
0.2839

148.6525, 0.2729,
0.3011

24.3011, 0.2419,
0.2777

184.9467, 0.2756,
0.3031

15.5572, 0.2314,
0.2695

226.7142, 0.2780,
0.3048

9.2113, 0.2175,
0.2583

274.3394, 0.2801,
0.3063

4.8793, 0.1980,
0.2423

328.2067, 0.2819,

2.1766, 0.1695,

0.3076

0.2175

388.7005, 0.2836,
0.3088

0.7072, 0.1129,
0.1760

0.0000, 0.0000,
0.0000

68.7660, 0.2617,
0.2928

68.7660, 0.2617,
0.2928

61.0466, 0.2465,
0.2795

77.3500, 0.2774,
0.3051

54.1469, 0.2321,
0.2653

86.8249, 0.2932,
0.3164

48.0293, 0.2191,
0.2506

97.2253, 0.3088,
0.3266

42.6492, 0.2078,
0.2355

99.9991, 0.3127,
0.3290

■ 37.9556, 0.1985,
0.2203

■ 33.8881, 0.1915,
0.2055

■ 31.1884, 0.1874,
0.1946

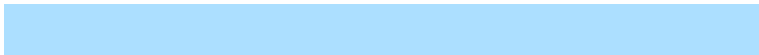
Harmonies

Analogous

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



68.7660, 0.2620, 0.3128



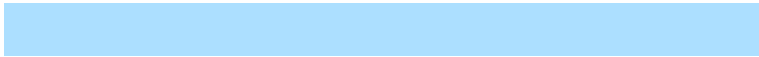
68.7660, 0.2617, 0.2928



68.7660, 0.2743, 0.2834

Triad

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



68.7660, 0.2617, 0.2928



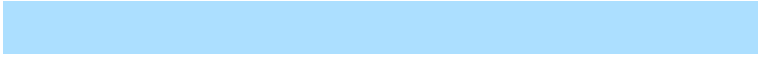
68.7660, 0.3510, 0.3181



68.7660, 0.3264, 0.3771

Complementary

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



68.7660, 0.2617, 0.2928



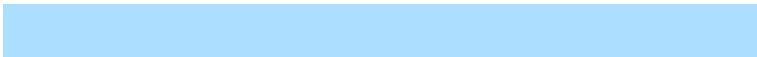
67.4632, 0.3777, 0.3624

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.



68.7660, 0.3514, 0.3764



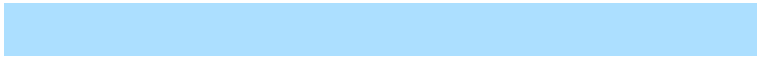
68.7660, 0.2617, 0.2928



68.7660, 0.3662, 0.3414

Square

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



68.7660, 0.2617, 0.2928



68.7660, 0.3254, 0.2981



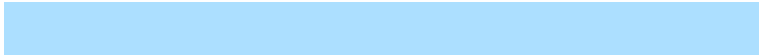
68.7660, 0.3662, 0.3628



68.7660, 0.2986, 0.3632

Rectangle

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



68.7660, 0.2617, 0.2928



68.7660, 0.2887, 0.2836



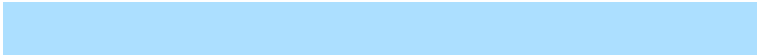
68.7660, 0.3662, 0.3628



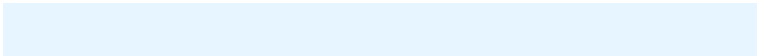
68.7660, 0.3354, 0.3786

Sweetspot

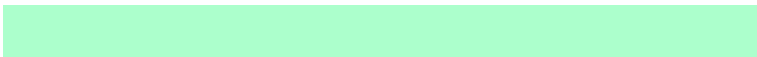
The Sweet Spot groups the original color and five complimentary colors.



68.7687, 0.2617, 0.2928



89.3609, 0.2972, 0.3191



84.6443, 0.2916, 0.3877



18.8230, 0.2950, 0.3176



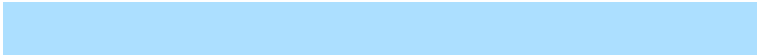
0.0000, 0.0000, 0.0000



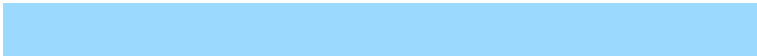
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7687, 0.2617, 0.2928



63.6712, 0.2517, 0.2843



49.3550, 0.2556, 0.2437



19.2350, 0.2979, 0.3196



16.5968, 0.1881, 0.1970



1.8279, 0.1927, 0.2136

Inverse Universe

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



56.1213, 0.3425, 0.2772



49.8760, 0.3505, 0.2668



89.7342, 0.3647, 0.4019



18.1746, 0.3198, 0.3145



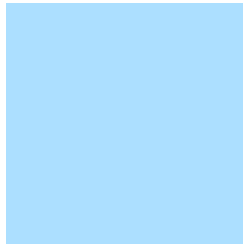
12.4034, 0.4487, 0.2245



1.2291, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 68.7660, 0.2617, 0.2928 looks on a white background.

Color Contrast Check

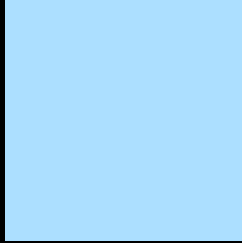
Large Text (above 18pt) WCAG AA × Fail

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 68.7660, 0.2617, 0.2928 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

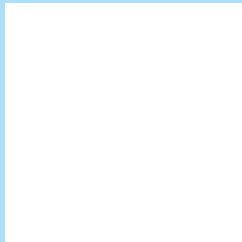
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7660, 0.2617, 0.2928

Background



This preview shows how black text looks on a background with the Yxy color 68.7660, 0.2617, 0.2928.

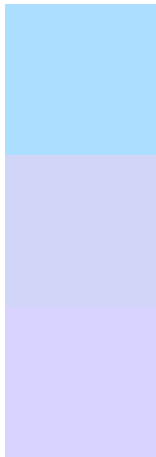


This preview shows how white text looks on a background with the Yxy color 68.7660, 0.2617, 0.2928.

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

68.7660, 0.2617, 0.2928

Protanopia

68.4880, 0.2867, 0.2912

Deuteranopia

68.4075, 0.2876, 0.2824



Tritanopia

68.7565, 0.2665, 0.3081

Trichromacy



Original Color

68.7660, 0.2617, 0.2928

Protanomaly

68.3265, 0.2773, 0.2916

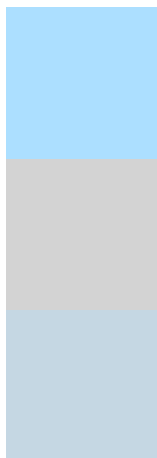
Deuteranomaly

68.1002, 0.2774, 0.2855

Tritanomaly

68.5728, 0.2648, 0.3025

Monochromacy



Original Color

68.7660, 0.2617, 0.2928

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.0172, 0.2922, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7660, 0.2617, 0.2928 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(172, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 223, 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(172, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.7660, 0.2617, 0.2928 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(172, 223, 255) }
```

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

```
.border{ border-color:rgb(172, 223, 255) }
```

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

Here you see how a box with a 4 pixel rgb(172, 223, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7660, 0.2617, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 223, 255) }
```

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

```
.background{ background-color: rgb(172,  
223, 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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