

Converting Colors

$Yxy(67.7803, 0.2557, 0.2927)$

Have a look what the booklet for
Yxy(67.7803, 0.2557, 0.2927)
contains.

Yxy(67.5724, 0.2557, 0.2922)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.5724, 0.2557, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	A1DFFF
RGB	161, 223, 255
RGB Percent	63%, 87%, 100%
CMY	0.3688, 0.1255, 0.0000
CMYK	0.37, 0.13, 0.00, 0.00
HSL	200°, 100%, 82%
HSV	200°, 37%, 100%
XYZ	59.1316, 67.5724, 104.5499
YIQ	208.1100, -47.2240, -3.1920

Conversions

Conversions Part 2

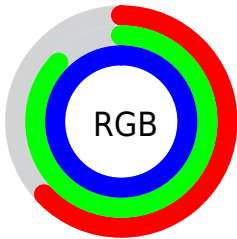
Format	Color
R _Y B	161, 198, 255
Decimal	10608639
CIE Lab	85.79, -11.92, -21.81
CIE LCh	86, 24.853, 241.337
Yxy	67.5724, 0.2557, 0.2922
Android (android.graphics.Color)	4288798719 (0xFFA1DFFF)
YUV	208.1100, 23.1168, -41.3155
Hunter-Lab	82.2024, -15.4518, -17.8668

Details

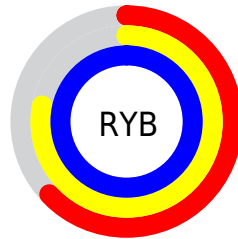
The Yxy color **67.5724, 0.2557, 0.2922** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.9502, 0.3906, 0.3627**, and the grayscale version is **63.0173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **35.0857, 0.2426, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **60.6723, 0.2413, 0.2803**, and if you desaturate by 10%, it is **75.2528, 0.2709, 0.3034**.

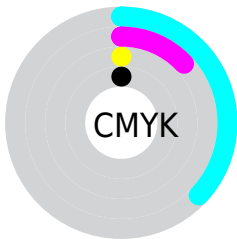
Distribution



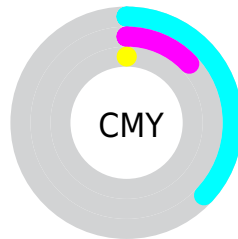
- Red (63%)
- Green (87%)
- Blue (100%)



- Red (63%)
- Yellow (78%)
- Blue (100%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5724, 0.2557, 0.2922 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 67.5724, 0.2557, 0.2922 by changing the saturation by 10% instead.


 67.5724, 0.2557,
0.2922

 67.5724, 0.2557,
0.2922


451.9795, 0.2818,
0.3097

 49.5499, 0.2498,
0.2881


 115.7402, 0.2647,
0.2984

 35.0559, 0.2426,
0.2830


 146.6544, 0.2682,
0.3007

 23.7060, 0.2336,
0.2765


182.6345, 0.2713,
0.3028

 15.1156, 0.2220,
0.2679

224.0651, 0.2739,
0.3045

 8.9006, 0.2065,
0.2562

271.3305, 0.2762,
0.3061

 4.6764, 0.1851,
0.2392

324.8151, 0.2783,

 2.0587, 0.1540,

0.3074

0.2129

384.9033, 0.2802,
0.3086

0.6412, 0.0836,
0.1683

0.0000, 0.0000,
0.0000

67.5724, 0.2557,
0.2922

67.5724, 0.2557,
0.2922

60.6723, 0.2413,
0.2803

75.2528, 0.2709,
0.3034

54.5120, 0.2282,
0.2677

83.7431, 0.2864,
0.3137

49.0524, 0.2165,
0.2546

93.0762, 0.3021,
0.3231

44.2484, 0.2068,
0.2414

100.0000, 0.3127,
0.3290

■ 40.0472, 0.1991,
0.2282

■ 36.3830, 0.1935,
0.2153

■ 35.3192, 0.1920,
0.2113

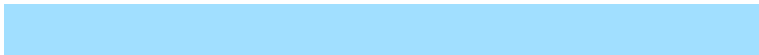
Harmonies

Analogous

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



67.5724, 0.2587, 0.3158



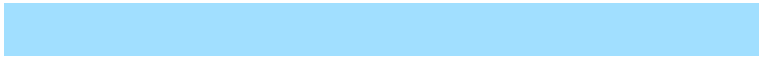
67.5724, 0.2557, 0.2922



67.5724, 0.2670, 0.2798

Triad

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



67.5724, 0.2557, 0.2922



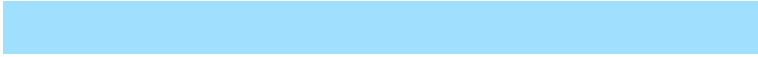
67.5724, 0.3505, 0.3126



67.5724, 0.3331, 0.3834

Complementary

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



67.5724, 0.2557, 0.2922



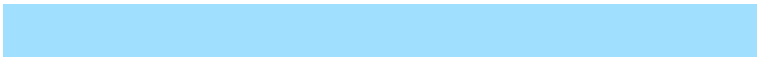
61.9502, 0.3906, 0.3627

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.



67.5724, 0.3592, 0.3794



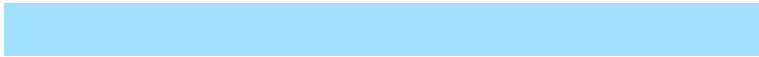
67.5724, 0.2557, 0.2922



67.5724, 0.3699, 0.3378

Square

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



67.5724, 0.2557, 0.2922



67.5724, 0.3209, 0.2919



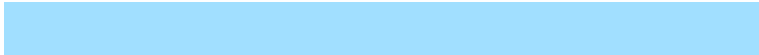
67.5724, 0.3730, 0.3621



67.5724, 0.3024, 0.3707

Rectangle

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



67.5724, 0.2557, 0.2922



67.5724, 0.2815, 0.2786



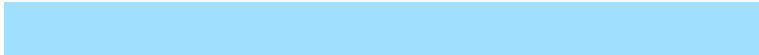
67.5724, 0.3730, 0.3621



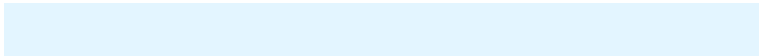
67.5724, 0.3427, 0.3838

Sweetspot

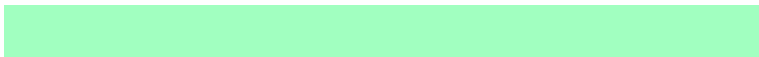
The Sweet Spot groups the original color and five complimentary colors.



67.5737, 0.2557, 0.2922



89.1250, 0.2956, 0.3193



82.9125, 0.2915, 0.4029



18.8051, 0.2935, 0.3181



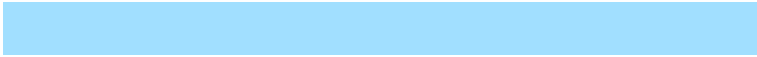
0.0000, 0.0000, 0.0000



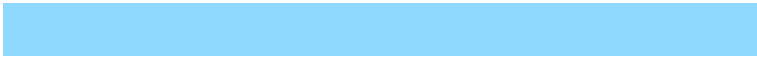
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5737, 0.2557, 0.2922



62.5809, 0.2454, 0.2838



46.0931, 0.2476, 0.2358



19.3796, 0.2980, 0.3207



18.7431, 0.1926, 0.2134



2.0278, 0.1967, 0.2281

Inverse Universe

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



52.0645, 0.3439, 0.2661



45.8459, 0.3522, 0.2541



85.7564, 0.3736, 0.4074



18.1892, 0.3190, 0.3134



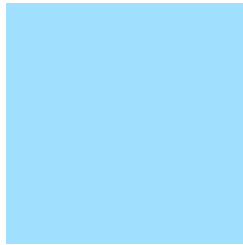
12.6201, 0.4304, 0.2144



1.2492, 0.4146, 0.2058

Previews

White Background



This preview shows how the Yxy color 67.5724, 0.2557, 0.2922 looks on a white background.

Color Contrast Check

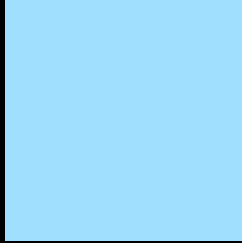
Large Text (above 18pt) WCAG AA × Fail

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 67.5724, 0.2557, 0.2922 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 67.5724, 0.2557, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 67.5724, 0.2557, 0.2922.



This preview shows how white text looks on a background with the Yxy color 67.5724, 0.2557, 0.2922.

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

67.5724, 0.2557, 0.2922

Protanopia

67.1297, 0.2859, 0.2898

Deuteranopia

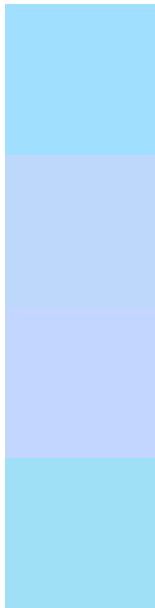
66.9671, 0.2855, 0.2800



Tritanopia

67.5906, 0.2605, 0.3078

Trichromacy



Original Color

67.5724, 0.2557, 0.2922

Protanomaly

67.0239, 0.2735, 0.2900

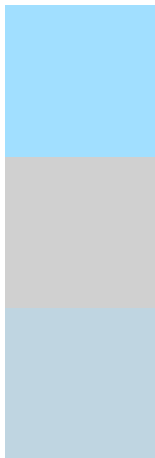
Deuteranomaly

66.7825, 0.2735, 0.2839

Tritanomaly

67.3976, 0.2588, 0.3021

Monochromacy



Original Color

67.5724, 0.2557, 0.2922

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.1011, 0.2893, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5724, 0.2557, 0.2922 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(161, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.5724, 0.2557, 0.2922 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(161, 223, 255) }
```

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

```
.border{ border-color:rgb(161, 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(161, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 223, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 223, 255); box-shadow:4px 4px 4px 4px rgb(161, 223, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5724, 0.2557, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 223, 255) }
```

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

```
.background{ background-color: rgb(161,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor