

Converting Colors

$Y_{xy}(66.7228, 0.2516, 0.2917)$

Have a look what the booklet for
Yxy(66.7228, 0.2516, 0.2917)
contains.

Yxy(66.7677, 0.2516, 0.2918)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.7677, 0.2516, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	99DFFF
RGB	153, 223, 255
RGB Percent	60%, 87%, 100%
CMY	0.4002, 0.1254, 0.0000
CMYK	0.40, 0.13, 0.00, 0.00
HSL	199°, 100%, 80%
HSV	199°, 40%, 100%
XYZ	57.5694, 66.7677, 104.4761
YIQ	205.7180, -51.9920, -4.8880

Conversions

Conversions Part 2

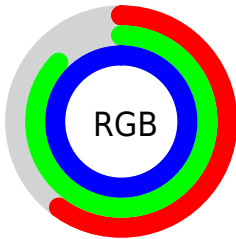
Format	Color
RYB	153, 195, 255
Decimal	10084351
CIELab	85.39, -13.96, -22.46
CIELCh	85, 26.448, 238.129
Yxy	66.7677, 0.2516, 0.2918
Android (android.graphics.Color)	4288274431 (0xFF99DFFF)
YUV	205.7180, 24.2960, -46.2337
Hunter-Lab	81.7115, -17.2339, -18.6100

Details

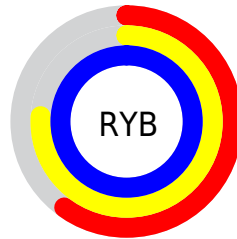
The Yxy color **66.7677, 0.2516, 0.2918** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.2310, 0.4007, 0.3628**, and the grayscale version is **61.3927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **34.6239, 0.2381, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **60.3769, 0.2379, 0.2807**, and if you desaturate by 10%, it is **73.8929, 0.2663, 0.3023**.

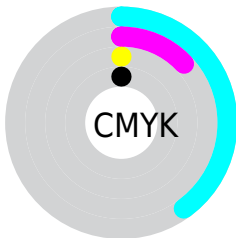
Distribution



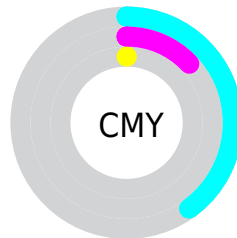
- Red (60%)
- Green (87%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7677, 0.2516, 0.2918 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 66.7677, 0.2516, 0.2918 by changing the saturation by 10% instead.


 66.7677, 0.2516,
0.2918

 66.7677, 0.2516,
0.2918

449.1174, 0.2796,
0.3096

 48.8959, 0.2453,
0.2876


 114.5875, 0.2612,
0.2981

 34.5369, 0.2376,
0.2824


 145.3042, 0.2650,
0.3005

 23.3064, 0.2280,
0.2757


181.0714, 0.2683,
0.3026

 14.8199, 0.2156,
0.2669


222.2734, 0.2711,
0.3044

 8.6931, 0.1991,
0.2547

269.2946, 0.2736,
0.3059

 4.5415, 0.1764,
0.2370

322.5194, 0.2758,

 1.9809, 0.1437,

0.3073

0.2096

382.3322, 0.2778,
0.3085

0.5963, 0.0616,
0.1627

0.0000, 0.0000,
0.0000

66.7677, 0.2516,
0.2918

66.7677, 0.2516,
0.2918

60.3769, 0.2379,
0.2807

73.8929, 0.2663,
0.3023

54.6796, 0.2255,
0.2690

81.7823, 0.2816,
0.3120

49.6364, 0.2149,
0.2570

90.4686, 0.2972,
0.3209

45.2008, 0.2062,
0.2449

99.9810, 0.3127,
0.3290

■ 41.3180, 0.1995,
0.2329

100.0000, 0.3127,
0.3290

■ 37.9060, 0.1948,
0.2211

Harmonies

Analogous

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



66.7677, 0.2564, 0.3180



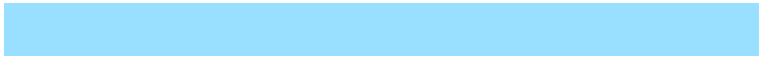
66.7677, 0.2516, 0.2918



66.7677, 0.2620, 0.2773

Triad

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



66.7677, 0.2516, 0.2918



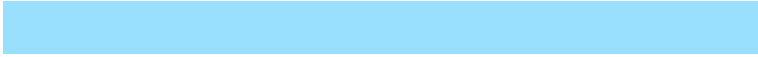
66.7677, 0.3500, 0.3088



66.7677, 0.3378, 0.3876

Complementary

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



66.7677, 0.2516, 0.2918



58.2310, 0.4007, 0.3628

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.



66.7677, 0.3647, 0.3814



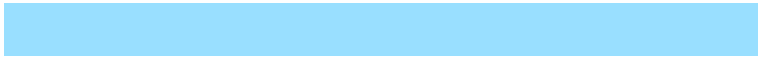
66.7677, 0.2516, 0.2918



66.7677, 0.3724, 0.3352

Square

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



66.7677, 0.2516, 0.2918



66.7677, 0.3178, 0.2877



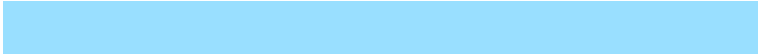
66.7677, 0.3777, 0.3616



66.7677, 0.3051, 0.3760

Rectangle

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



66.7677, 0.2516, 0.2918



66.7677, 0.2766, 0.2751



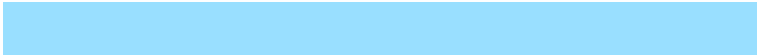
66.7677, 0.3777, 0.3616



66.7677, 0.3478, 0.3874

Sweetspot

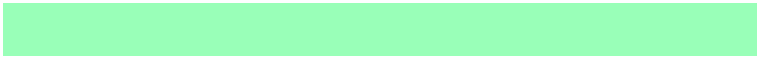
The Sweet Spot groups the original color and five complimentary colors.



66.7690, 0.2516, 0.2918



88.6833, 0.2941, 0.3192



81.7301, 0.2917, 0.4147



18.7336, 0.2920, 0.3181



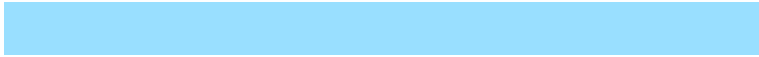
0.0000, 0.0000, 0.0000



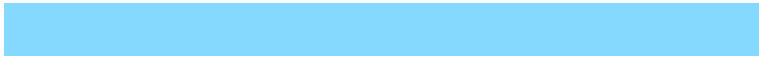
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7690, 0.2516, 0.2918



61.6103, 0.2406, 0.2830



44.0133, 0.2420, 0.2306



19.4644, 0.2980, 0.3214



20.0860, 0.1953, 0.2230



2.1514, 0.1991, 0.2365

Inverse Universe

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



49.3548, 0.3450, 0.2582



42.9164, 0.3538, 0.2447



82.7406, 0.3803, 0.4109



18.1977, 0.3186, 0.3128



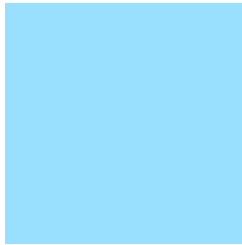
12.7557, 0.4200, 0.2087



1.2617, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 66.7677, 0.2516, 0.2918 looks on a white background.

Color Contrast Check

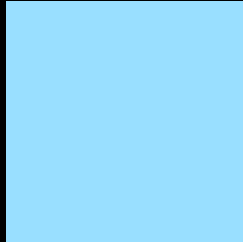
Large Text (above 18pt) WCAG AA × Fail

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 66.7677, 0.2516, 0.2918 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 66.7677, 0.2516, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 66.7677, 0.2516, 0.2918.

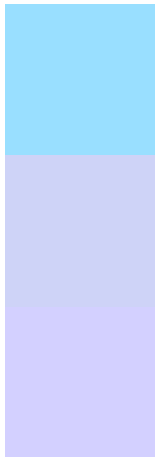


This preview shows how white text looks on a background with the Yxy color 66.7677, 0.2516, 0.2918.

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

66.7677, 0.2516, 0.2918

Protanopia

66.4257, 0.2858, 0.2897

Deuteranopia

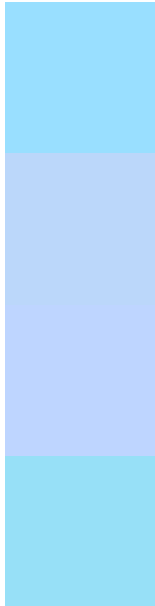
66.1806, 0.2841, 0.2787



Tritanopia

66.8055, 0.2563, 0.3075

Trichromacy



Original Color

66.7677, 0.2516, 0.2918

Protanomaly

66.0678, 0.2721, 0.2897

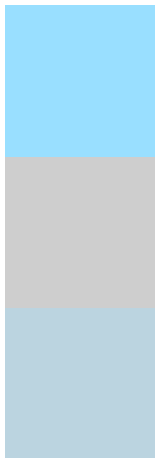
Deuteranomaly

65.7556, 0.2709, 0.2824

Tritanomaly

66.6060, 0.2547, 0.3018

Monochromacy



Original Color

66.7677, 0.2516, 0.2918

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.0336, 0.2872, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7677, 0.2516, 0.2918 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(153, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.7677, 0.2516, 0.2918 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(153, 223, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7677, 0.2516, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 223, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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