

Converting Colors

$Y_{xy}(75.9497, 0.2547, 0.3111)$

Have a look what the booklet for
Yxy(75.9497, 0.2547, 0.3111)
contains.

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Color

Yxy(75.7253, 0.2546, 0.3107)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 99EFFF |
| RGB | 153, 239, 255 |
| RGB Percent | 60%, 94%, 100% |
| CMY | 0.4000, 0.0627, 0.0000 |
| CMYK | 0.40, 0.06, 0.00, 0.00 |
| HSL | 189°, 100%, 80% |
| HSV | 189°, 40%, 100% |
| XYZ | 62.0523, 75.7253, 105.9472 |
| YIQ | 215.1100, -56.3920, -13.2560 |

Conversions

Conversions Part 2

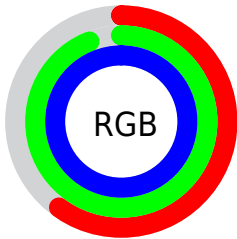
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 153, 200, 255 |
| Decimal | 10088447 |
| CIE Lab | 89.73, -21.99, -15.89 |
| CIE LCh | 90, 27.127, 215.857 |
| Yxy | 75.7253, 0.2546, 0.3107 |
| Android (android.graphics.Color) | 4288278527 (0xFF99EFFF) |
| YUV | 215.1100, 19.6658, -54.4705 |
| Hunter-Lab | 87.0203, -25.0009, -11.2714 |

Details

The Yxy color **75.7253, 0.2546, 0.3107** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.9322, 0.4077, 0.3461**, and the grayscale version is **67.9283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **40.4310, 0.2422, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **71.1914, 0.2427, 0.3054**, and if you desaturate by 10%, it is **80.8470, 0.2679, 0.3158**.

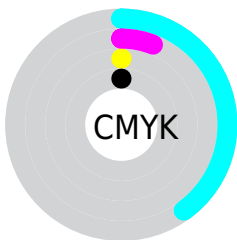
Distribution



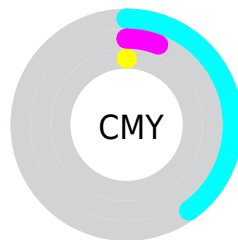
- Red (60%)
- Green (94%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7253, 0.2546, 0.3107 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 75.7253, 0.2546, 0.3107 by changing the saturation by 10% instead.


 75.7253, 0.2546,
0.3107


 75.7253, 0.2546,
0.3107

480.4068, 0.2807,
0.3197

 56.2073, 0.2488,
0.3085


 127.3385, 0.2635,
0.3139

 40.3691, 0.2418,
0.3058

 160.2025, 0.2670,
0.3151

 27.8265, 0.2331,
0.3023


198.2840, 0.2700,
0.3162

 18.1949, 0.2220,
0.2976

241.9673, 0.2727,
0.3171

 11.0900, 0.2074,
0.2910

291.6368, 0.2751,
0.3178

 6.1274, 0.1875,
0.2813

347.6770, 0.2772,

 2.9227, 0.1590,

0.3185

0.2655

410.4722, 0.2790,
0.3191

1.0915, 0.1069,
0.2396

0.0000, 0.0000,
0.0000

75.7253, 0.2546,
0.3107

75.7253, 0.2546,
0.3107

71.1914, 0.2427,
0.3054

80.8470, 0.2679,
0.3158

67.2021, 0.2325,
0.2998

86.5790, 0.2822,
0.3206

63.7219, 0.2241,
0.2942

92.9532, 0.2972,
0.3250

60.7069, 0.2177,
0.2885

99.9965, 0.3127,
0.3290

■ 58.1049, 0.2132,
0.2829

99.9996, 0.3127,
0.3290

■ 55.8306, 0.2104,
0.2773

■ 55.8300, 0.2104,
0.2773

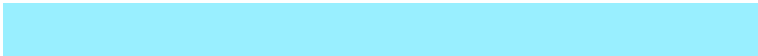
Harmonies

Analogous

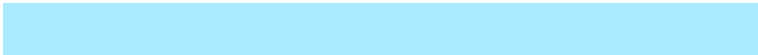
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7253, 0.2701, 0.3412



75.7253, 0.2546, 0.3107



75.7253, 0.2538, 0.2875

Triad

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



75.7253, 0.2546, 0.3107



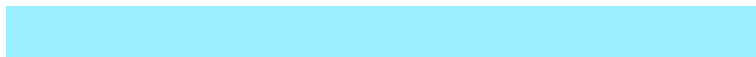
75.7253, 0.3263, 0.2929



75.7253, 0.3580, 0.3836

Complementary

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



75.7253, 0.2546, 0.3107



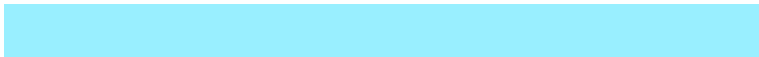
51.9322, 0.4077, 0.3461

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.



75.7253, 0.3750, 0.3671



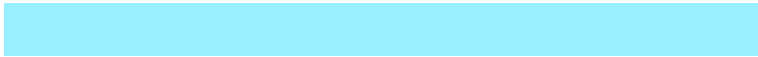
75.7253, 0.2546, 0.3107



75.7253, 0.3564, 0.3155

Square

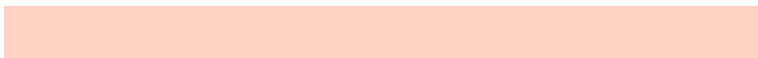
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7253, 0.2546, 0.3107



75.7253, 0.2938, 0.2789



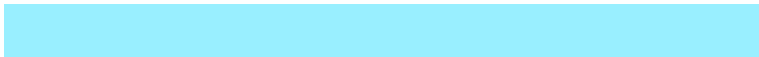
75.7253, 0.3745, 0.3421



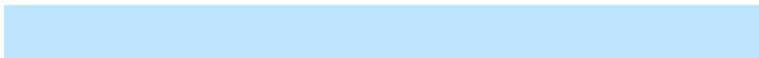
75.7253, 0.3293, 0.3854

Rectangle

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



75.7253, 0.2546, 0.3107



75.7253, 0.2615, 0.2788



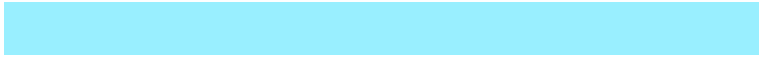
75.7253, 0.3745, 0.3421



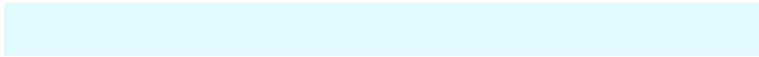
75.7253, 0.3654, 0.3795

Sweetspot

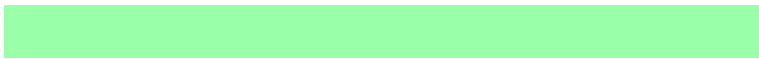
The Sweet Spot groups the original color and five complimentary colors.



75.7283, 0.2546, 0.3107



91.6286, 0.2942, 0.3241



81.1272, 0.2994, 0.4338



19.4298, 0.2922, 0.3236



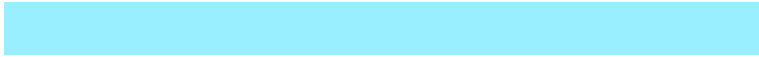
0.0000, 0.0000, 0.0000



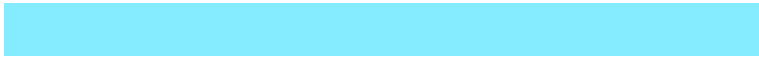
21.4041, 0.3127, 0.3290

Same Dimension

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



75.7283, 0.2546, 0.3107



72.0564, 0.2450, 0.3064



50.2588, 0.2450, 0.2497



19.9677, 0.2980, 0.3252



29.3561, 0.2106, 0.2782



2.9830, 0.2124, 0.2846

Inverse Universe

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



50.2750, 0.3307, 0.2437



43.9709, 0.3353, 0.2279



74.3773, 0.3862, 0.3968



18.2486, 0.3162, 0.3092



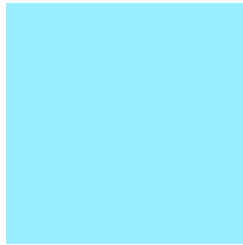
13.6915, 0.3651, 0.1785



1.3457, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 75.7253, 0.2546, 0.3107 looks on a white background.

Color Contrast Check

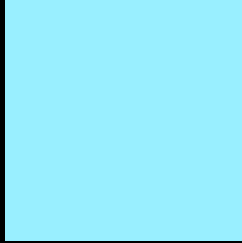
Large Text (above 18pt) WCAG AA × Fail

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 75.7253, 0.2546, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

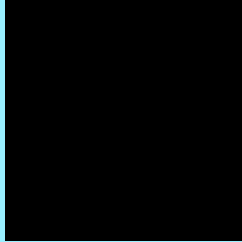
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7253, 0.2546, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 75.7253, 0.2546, 0.3107.

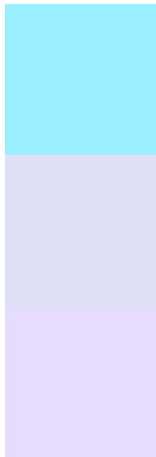


This preview shows how white text looks on a background with the Yxy color 75.7253, 0.2546, 0.3107.

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

75.7253, 0.2546, 0.3107

Protanopia

75.0559, 0.2987, 0.3059

Deuteranopia

75.0644, 0.2966, 0.2931



Tritanopia

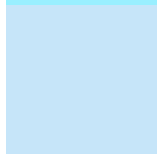
75.4698, 0.2586, 0.3086

Trichromacy



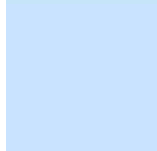
Original Color

75.7253, 0.2546, 0.3107



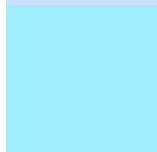
Protanomaly

74.8839, 0.2806, 0.3072



Deuteranomaly

74.5757, 0.2790, 0.2989



Tritanomaly

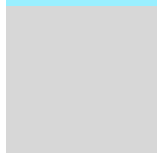
75.7400, 0.2573, 0.3097

Monochromacy



Original Color

75.7253, 0.2546, 0.3107



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.2309, 0.2875, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7253, 0.2546, 0.3107 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 239, 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, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.7253, 0.2546, 0.3107 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, 239, 255) }
```

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

```
.border{ border-color:rgb(153, 239, 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, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7253, 0.2546, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 239, 255) }
```

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

```
.background{ background-color: rgb(153,  
239, 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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