

Converting Colors

$Y_{xy}(75.8292, 0.2525, 0.3005)$

Have a look what the booklet for
Yxy(75.8292, 0.2525, 0.3005)
contains.

Yxy(75.5372, 0.2563, 0.3096)	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(75.5372, 0.2563, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	9DEEFF
RGB	157, 238, 255
RGB Percent	62%, 93%, 100%
CMY	0.3843, 0.0667, 0.0000
CMYK	0.38, 0.07, 0.00, 0.00
HSL	190°, 100%, 81%
HSV	190°, 38%, 100%
XYZ	62.5329, 75.5372, 105.9131
YIQ	215.7190, -53.7330, -11.8850

Conversions

Conversions Part 2

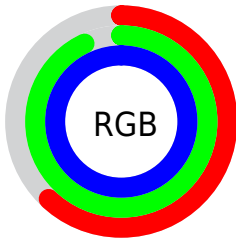
Format	Color
R_{YB}	157, 201, 255
Decimal	10350335
CIE _{Lab}	89.64, -20.49, -16.02
CIE _{LCh}	90, 26.010, 218.018
Yxy	75.5372, 0.2563, 0.3096
Android (android.graphics.Color)	4288540415 (0xFF9DEEFF)
YUV	215.7190, 19.3655, -51.4966
Hunter-Lab	86.9121, -23.6663, -11.4136

Details

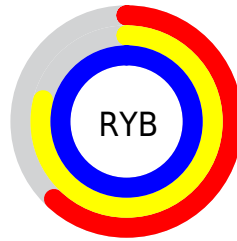
The Yxy color **75.5372, 0.2563, 0.3096** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.9694, 0.4018, 0.3472**, and the grayscale version is **68.3629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **40.2424, 0.2439, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **70.6911, 0.2440, 0.3037**, and if you desaturate by 10%, it is **80.9842, 0.2699, 0.3152**.

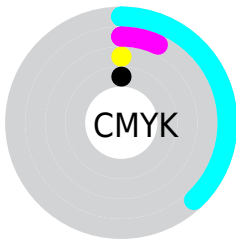
Distribution



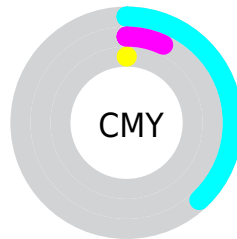
- Red (62%)
- Green (93%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- Blue (100%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5372, 0.2563, 0.3096 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 75.5372, 0.2563, 0.3096 by changing the saturation by 10% instead.


 75.5372, 0.2563,
0.3096


 75.5372, 0.2563,
0.3096

479.7620, 0.2817,
0.3191

 56.0531, 0.2507,
0.3073


 127.0725, 0.2650,
0.3130

 40.2455, 0.2439,
0.3045


 159.8925, 0.2684,
0.3142

 27.7300, 0.2354,
0.3009


197.9266, 0.2713,
0.3153

 18.1222, 0.2245,
0.2960

241.5591, 0.2739,
0.3163

 11.0378, 0.2103,
0.2892

291.1745, 0.2762,
0.3171

 6.0923, 0.1908,
0.2792

347.1572, 0.2782,

 2.9013, 0.1628,

0.3178

0.2631

409.8916, 0.2800,
0.3185

1.0804, 0.1126,
0.2364

0.0000, 0.0000,
0.0000

75.5372, 0.2563,
0.3096

75.5372, 0.2563,
0.3096

70.6911, 0.2440,
0.3037

80.9842, 0.2699,
0.3152

66.4083, 0.2333,
0.2976

87.0597, 0.2845,
0.3205

62.6522, 0.2244,
0.2913

93.7934, 0.2996,
0.3253

59.3799, 0.2174,
0.2850

100.0000, 0.3127,
0.3290

■ 56.5404, 0.2124,
0.2787

■ 54.0629, 0.2092,
0.2725

■ 53.6914, 0.2088,
0.2715

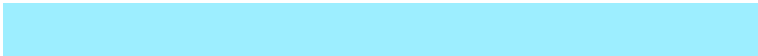
Harmonies

Analogous

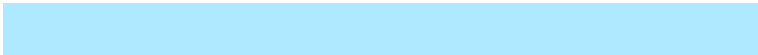
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5372, 0.2703, 0.3386



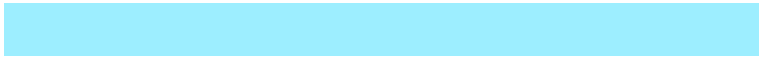
75.5372, 0.2563, 0.3096



75.5372, 0.2566, 0.2880

Triad

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



75.5372, 0.2563, 0.3096



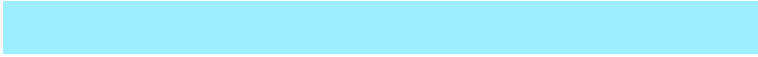
75.5372, 0.3280, 0.2956



75.5372, 0.3546, 0.3821

Complementary

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



75.5372, 0.2563, 0.3096



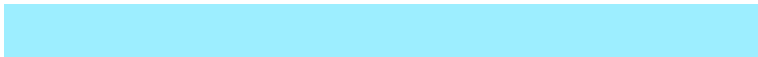
53.9694, 0.4018, 0.3472

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.



75.5372, 0.3718, 0.3671



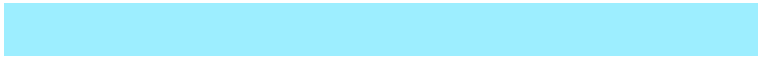
75.5372, 0.2563, 0.3096



75.5372, 0.3563, 0.3179

Square

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



75.5372, 0.2563, 0.3096



75.5372, 0.2967, 0.2814



75.5372, 0.3726, 0.3436



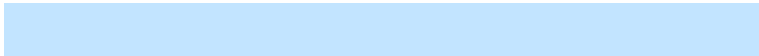
75.5372, 0.3265, 0.3824

Rectangle

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



75.5372, 0.2563, 0.3096



75.5372, 0.2647, 0.2801



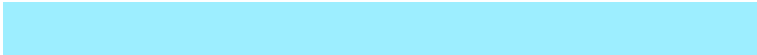
75.5372, 0.3726, 0.3436



75.5372, 0.3619, 0.3785

Sweetspot

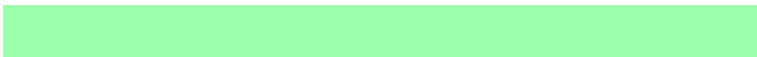
The Sweet Spot groups the original color and five complimentary colors.



75.5384, 0.2563, 0.3096



91.3110, 0.2942, 0.3236



81.7192, 0.2990, 0.4269



19.3546, 0.2922, 0.3230



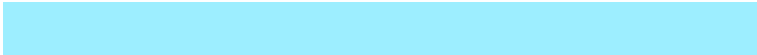
0.0000, 0.0000, 0.0000



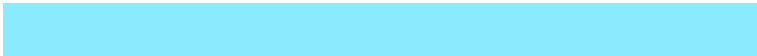
21.4041, 0.3127, 0.3290

Same Dimension

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



75.5384, 0.2563, 0.3096



71.8150, 0.2469, 0.3052



51.0738, 0.2475, 0.2514



19.9136, 0.2980, 0.3248



28.2512, 0.2090, 0.2725



2.8854, 0.2110, 0.2796

Inverse Universe

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



51.5497, 0.3312, 0.2484



45.3290, 0.3359, 0.2334



76.1158, 0.3823, 0.3957



18.2431, 0.3165, 0.3096



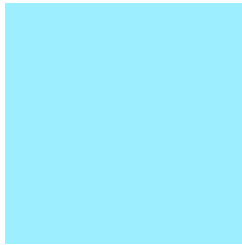
13.5799, 0.3704, 0.1814



1.3358, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 75.5372, 0.2563, 0.3096 looks on a white background.

Color Contrast Check

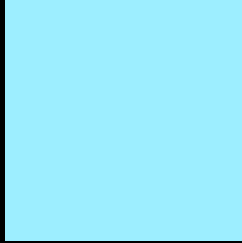
Large Text (above 18pt) WCAG AA × Fail

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 75.5372, 0.2563, 0.3096 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 75.5372, 0.2563, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 75.5372, 0.2563, 0.3096.

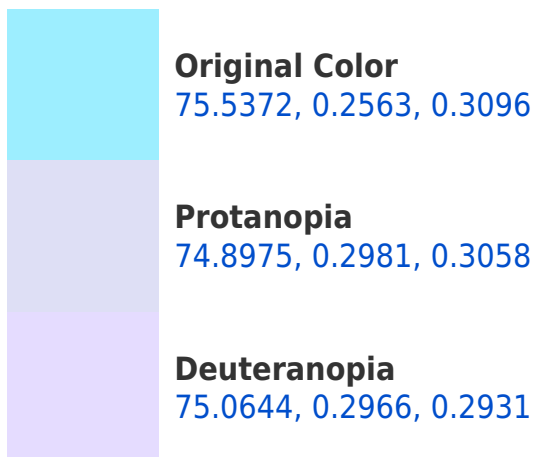


This preview shows how white text looks on a background with the Yxy color 75.5372, 0.2563, 0.3096.

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





Tritanopia

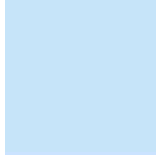
75.5749, 0.2591, 0.3086

Trichromacy



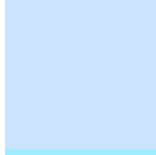
Original Color

75.5372, 0.2563, 0.3096



Protanomaly

74.3321, 0.2806, 0.3061



Deuteranomaly

74.8547, 0.2802, 0.2990



Tritanomaly

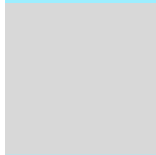
75.3654, 0.2581, 0.3086

Monochromacy



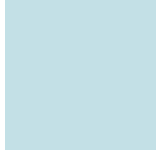
Original Color

75.5372, 0.2563, 0.3096



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

70.6266, 0.2894, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5372, 0.2563, 0.3096 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(157, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 238, 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(157, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.5372, 0.2563, 0.3096 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(157, 238, 255) }
```

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

```
.border{ border-color:rgb(157, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5372, 0.2563, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 238, 255) }
```

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

```
.background{ background-color: rgb(157,  
238, 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