

Converting Colors

$Yxy(76.7911, 0.2471, 0.2872)$

Have a look what the booklet for
Yxy(76.7911, 0.2471, 0.2872)
contains.

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Color

Yxy(75.6382, 0.2568, 0.3097)

Conversions

Conversions Part 1

Format	Color
Hex	9EEEFF
RGB	158, 238, 255
RGB Percent	62%, 93%, 100%
CMY	0.3804, 0.0666, 0.0001
CMYK	0.38, 0.07, 0.00, 0.00
HSL	190°, 100%, 81%
HSV	190°, 38%, 100%
XYZ	62.7184, 75.6382, 105.8739
YIQ	216.0180, -53.1370, -11.6730

Conversions

Conversions Part 2

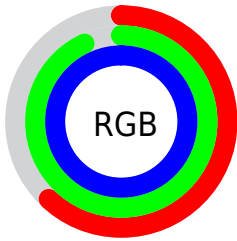
Format	Color
R_{YB}	158, 202, 255
Decimal	10415871
CIE _{Lab}	89.69, -20.26, -15.91
CIE _{LCh}	90, 25.767, 218.143
Yxy	75.6382, 0.2568, 0.3097
Android (android.graphics.Color)	4288605951 (0xFF9EEEFF)
YUV	216.0180, 19.2181, -50.8818
Hunter-Lab	86.9702, -23.4730, -11.2980

Details

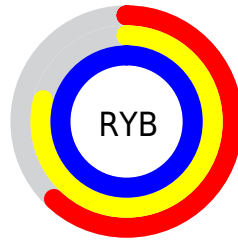
The Yxy color **75.6382, 0.2568, 0.3097** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3609, 0.4005, 0.3471**, and the grayscale version is **68.5748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **40.2998, 0.2444, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **70.7543, 0.2444, 0.3038**, and if you desaturate by 10%, it is **81.1286, 0.2704, 0.3153**.

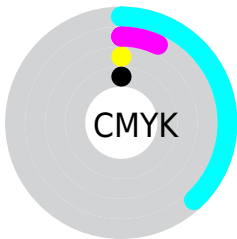
Distribution



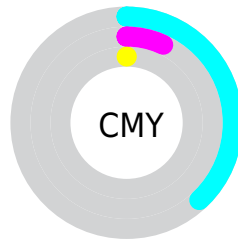
- Red (62%)
- Green (93%)
- Blue (100%)



- 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 75.6382, 0.2568, 0.3097 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 75.6382, 0.2568, 0.3097 by changing the saturation by 10% instead.


 75.6382, 0.2568,
0.3097


 75.6382, 0.2568,
0.3097

480.1083, 0.2819,
0.3191

 56.1359, 0.2512,
0.3075


 127.2154, 0.2654,
0.3130

 40.3119, 0.2445,
0.3047


 160.0590, 0.2688,
0.3143

 27.7818, 0.2361,
0.3010


198.1185, 0.2717,
0.3154

 18.1612, 0.2253,
0.2962

241.7783, 0.2742,
0.3163

 11.0658, 0.2112,
0.2895

291.4228, 0.2765,
0.3172

 6.1111, 0.1918,
0.2795

347.4364, 0.2785,

 2.9128, 0.1640,

0.3179

0.2636

410.2034, 0.2803,
0.3185

■ 1.0864, 0.1146,
0.2371

■ 0.0000, 0.0000,
0.0000

■ 75.6382, 0.2568,
0.3097

■ 75.6382, 0.2568,
0.3097

■ 70.7543, 0.2444,
0.3038

■ 81.1286, 0.2704,
0.3153

■ 66.4342, 0.2336,
0.2976

■ 87.2477, 0.2850,
0.3206

■ 62.6431, 0.2246,
0.2913

■ 94.0270, 0.3002,
0.3254

■ 59.3384, 0.2175,
0.2849

99.9980, 0.3127,
0.3290

■ 56.4696, 0.2125,
0.2785

■ 53.9686, 0.2092,
0.2722

■ 53.5018, 0.2086,
0.2710

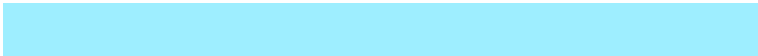
Harmonies

Analogous

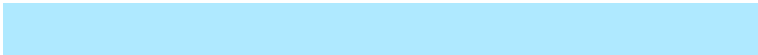
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6382, 0.2706, 0.3384



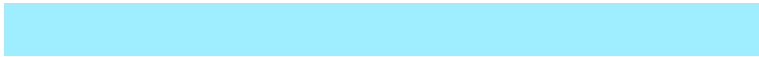
75.6382, 0.2568, 0.3097



75.6382, 0.2571, 0.2884

Triad

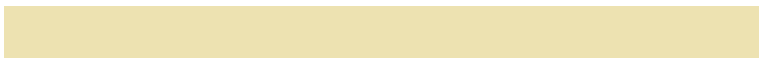
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6382, 0.2568, 0.3097



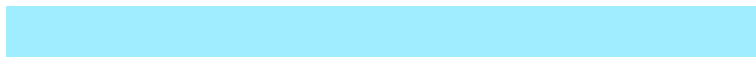
75.6382, 0.3280, 0.2960



75.6382, 0.3541, 0.3816

Complementary

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



75.6382, 0.2568, 0.3097



54.3609, 0.4005, 0.3471

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.



75.6382, 0.3712, 0.3669



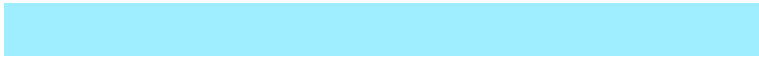
75.6382, 0.2568, 0.3097



75.6382, 0.3560, 0.3181

Square

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



75.6382, 0.2568, 0.3097



75.6382, 0.2970, 0.2819



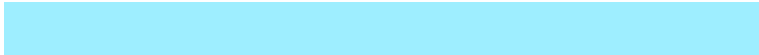
75.6382, 0.3721, 0.3436



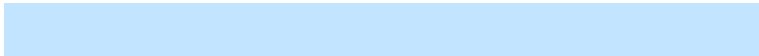
75.6382, 0.3262, 0.3819

Rectangle

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



75.6382, 0.2568, 0.3097



75.6382, 0.2652, 0.2806



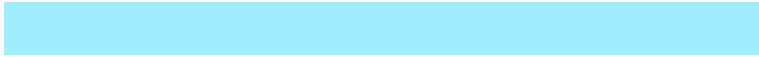
75.6382, 0.3721, 0.3436



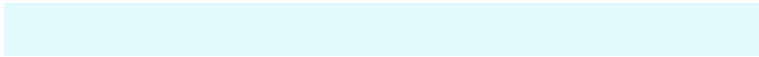
75.6382, 0.3613, 0.3781

Sweetspot

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



75.6412, 0.2568, 0.3097



91.9732, 0.2957, 0.3240



81.8297, 0.2992, 0.4257



19.4866, 0.2936, 0.3234



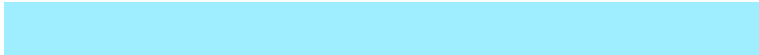
0.0000, 0.0000, 0.0000



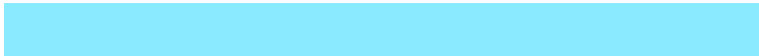
21.4041, 0.3127, 0.3290

Same Dimension

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



75.6412, 0.2568, 0.3097



71.7224, 0.2468, 0.3050



51.4491, 0.2483, 0.2523



19.9091, 0.2980, 0.3247



28.1611, 0.2089, 0.2720



2.8775, 0.2109, 0.2792

Inverse Universe

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



51.8772, 0.3311, 0.2494



45.3197, 0.3360, 0.2335



76.3062, 0.3815, 0.3950



18.2426, 0.3165, 0.3096



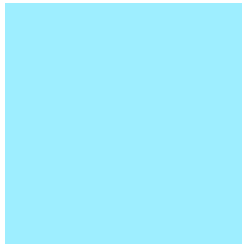
13.5708, 0.3709, 0.1817



1.3350, 0.3642, 0.1780

Previews

White Background



This preview shows how the Yxy color 75.6382, 0.2568, 0.3097 looks on a white background.

Color Contrast Check

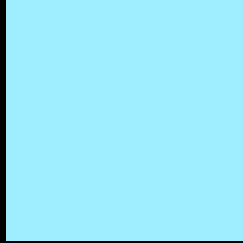
Large Text (above 18pt) WCAG AA × Fail

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 75.6382, 0.2568, 0.3097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

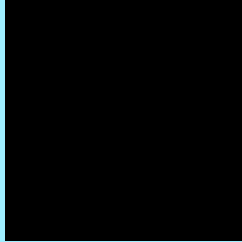
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.6382, 0.2568, 0.3097

Background



This preview shows how black text looks on a background with the Yxy color 75.6382, 0.2568, 0.3097.

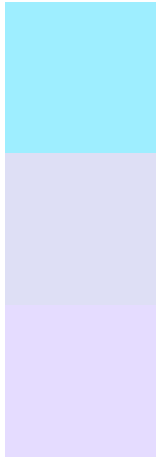


This preview shows how white text looks on a background with the Yxy color 75.6382, 0.2568, 0.3097.

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

75.6382, 0.2568, 0.3097

Protanopia

74.8975, 0.2981, 0.3058

Deuteranopia

75.0644, 0.2966, 0.2931



Tritanopia

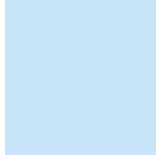
75.5749, 0.2591, 0.3086

Trichromacy



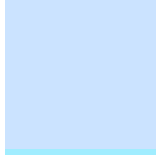
Original Color

75.6382, 0.2568, 0.3097



Protanomaly

74.4685, 0.2812, 0.3061



Deuteranomaly

74.8547, 0.2802, 0.2990



Tritanomaly

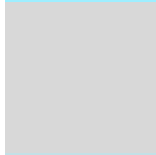
75.3654, 0.2581, 0.3086

Monochromacy



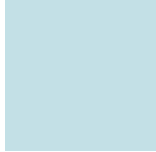
Original Color

75.6382, 0.2568, 0.3097



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 75.6382, 0.2568, 0.3097 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(158, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.6382, 0.2568, 0.3097 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(158, 238, 255) }
```

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

```
.border{ border-color:rgb(158, 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(158, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6382, 0.2568, 0.3097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 238, 255) }
```

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

```
.background{ background-color: rgb(158,  
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](#).

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