

Converting Colors

$Y_{xy}(76.6108, 0.2560, 0.3120)$

Have a look what the booklet for
Yxy(76.6108, 0.2560, 0.3120)
contains.

Yxy(76.6081, 0.2562, 0.3119)	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(76.6081, 0.2562, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	9CF0FF
RGB	156, 240, 255
RGB Percent	61%, 94%, 100%
CMY	0.3880, 0.0588, 0.0000
CMYK	0.39, 0.06, 0.00, 0.00
HSL	189°, 100%, 81%
HSV	189°, 39%, 100%
XYZ	62.9272, 76.6081, 106.0822
YIQ	216.5940, -54.8790, -13.1430

Conversions

Conversions Part 2

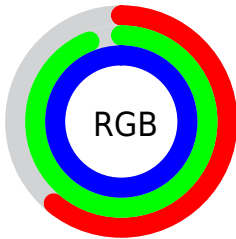
Format	Color
RYB	156, 201, 255
Decimal	10285311
CIELab	90.14, -21.72, -15.27
CIELCh	90, 26.551, 215.105
Yxy	76.6081, 0.2562, 0.3119
Android (android.graphics.Color)	4288475391 (0xFF9CF0FF)
YUV	216.5940, 18.9342, -53.1409
Hunter-Lab	87.5261, -24.8373, -10.5917

Details

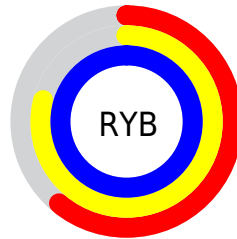
The Yxy color **76.6081, 0.2562, 0.3119** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.8070, 0.4039, 0.3451**, and the grayscale version is **69.0000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **41.0108, 0.2440, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **72.0750, 0.2442, 0.3068**, and if you desaturate by 10%, it is **81.7289, 0.2696, 0.3168**.

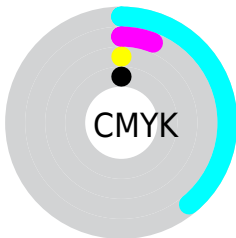
Distribution



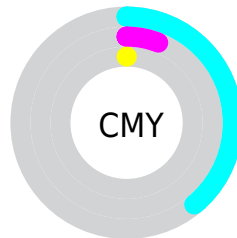
- Red (61%)
- Green (94%)
- Blue (100%)



- Red (61%)
- Yellow (79%)
- Blue (100%)



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (39%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6081, 0.2562, 0.3119 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 76.6081, 0.2562, 0.3119 by changing the saturation by 10% instead.


 76.6081, 0.2562,
0.3119


 76.6081, 0.2562,
0.3119


483.4268, 0.2816,
0.3203

 56.9313, 0.2506,
0.3099


 128.5861, 0.2648,
0.3149

 40.9501, 0.2438,
0.3074


 161.6561, 0.2682,
0.3160

 28.2801, 0.2353,
0.3041


199.9593, 0.2712,
0.3170

 18.5369, 0.2246,
0.2997

243.8801, 0.2738,
0.3178

 11.3361, 0.2104,
0.2936

293.8028, 0.2761,
0.3186

 6.2934, 0.1911,
0.2844

350.1119, 0.2781,

 3.0243, 0.1634,

0.3192

0.2698

413.1918, 0.2799,
0.3198

■ 1.1444, 0.1149,
0.2450

■ 0.0156, 0.0000,
0.0141

■ 76.6081, 0.2562,
0.3119

■ 76.6081, 0.2562,
0.3119

■ 72.0750, 0.2442,
0.3068

■ 81.7289, 0.2696,
0.3168

■ 68.0878, 0.2338,
0.3015

■ 87.4606, 0.2840,
0.3214

■ 64.6114, 0.2253,
0.2960

■ 93.8346, 0.2991,
0.3256

■ 61.6026, 0.2187,
0.2905

100.0000, 0.3127,
0.3290

■ 59.0104, 0.2141,
0.2851

■ 56.7612, 0.2112,
0.2797

■ 56.5040, 0.2109,
0.2791

Harmonies

Analogous

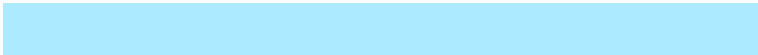
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6081, 0.2716, 0.3417



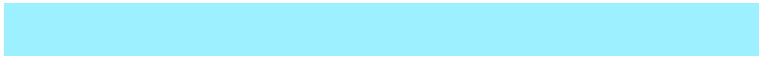
76.6081, 0.2562, 0.3119



76.6081, 0.2550, 0.2890

Triad

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



76.6081, 0.2562, 0.3119



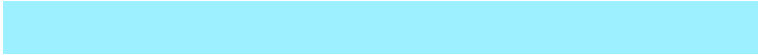
76.6081, 0.3252, 0.2933



76.6081, 0.3575, 0.3820

Complementary

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



76.6081, 0.2562, 0.3119



52.8070, 0.4039, 0.3451

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.



76.6081, 0.3736, 0.3656



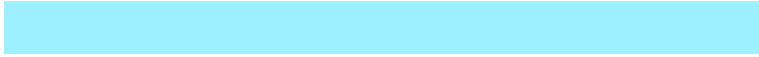
76.6081, 0.2562, 0.3119



76.6081, 0.3546, 0.3152

Square

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



76.6081, 0.2562, 0.3119



76.6081, 0.2935, 0.2799



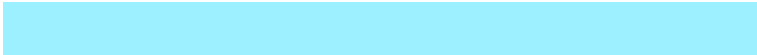
76.6081, 0.3727, 0.3412



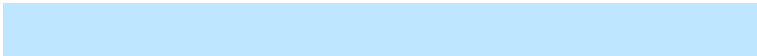
76.6081, 0.3297, 0.3841

Rectangle

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



76.6081, 0.2562, 0.3119



76.6081, 0.2624, 0.2802



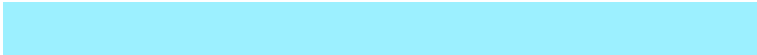
76.6081, 0.3727, 0.3412



76.6081, 0.3645, 0.3779

Sweetspot

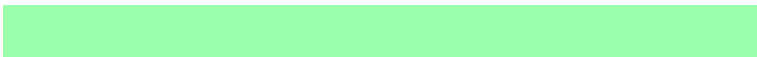
The Sweet Spot groups the original color and five complimentary colors.



76.6107, 0.2562, 0.3119



91.7266, 0.2942, 0.3243



81.5287, 0.2997, 0.4301



19.4530, 0.2922, 0.3237



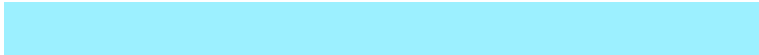
0.0000, 0.0000, 0.0000



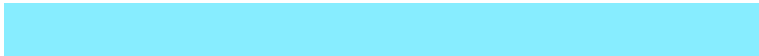
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6107, 0.2562, 0.3119



72.8521, 0.2463, 0.3077



51.4151, 0.2472, 0.2525



19.9844, 0.2980, 0.3253



29.7021, 0.2111, 0.2800



3.0135, 0.2128, 0.2861

Inverse Universe

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



51.3439, 0.3296, 0.2458



44.7342, 0.3341, 0.2293



75.0409, 0.3837, 0.3948



18.2502, 0.3161, 0.3091



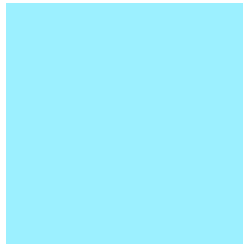
13.7264, 0.3635, 0.1776



1.3488, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 76.6081, 0.2562, 0.3119 looks on a white background.

Color Contrast Check

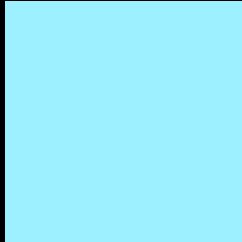
Large Text (above 18pt) WCAG AA × Fail

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 76.6081, 0.2562, 0.3119 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 76.6081, 0.2562, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 76.6081, 0.2562, 0.3119.

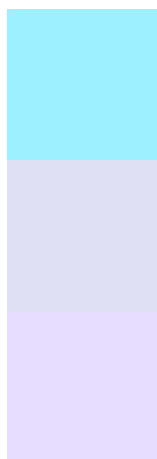


This preview shows how white text looks on a background with the Yxy color 76.6081, 0.2562, 0.3119.

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

76.6081, 0.2562, 0.3119

Protanopia

75.7512, 0.2994, 0.3070

Deuteranopia

75.9218, 0.2979, 0.2943



Tritanopia

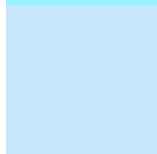
76.5846, 0.2612, 0.3099

Trichromacy



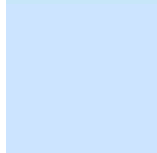
Original Color

76.6081, 0.2562, 0.3119



Protanomaly

75.5753, 0.2813, 0.3083



Deuteranomaly

75.5442, 0.2809, 0.3001



Tritanomaly

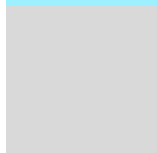
76.7395, 0.2594, 0.3109

Monochromacy



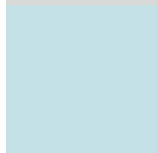
Original Color

76.6081, 0.2562, 0.3119



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.2221, 0.2889, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6081, 0.2562, 0.3119 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(156, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 240, 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(156, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.6081, 0.2562, 0.3119 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(156, 240, 255) }
```

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

```
.border{ border-color:rgb(156, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6081, 0.2562, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 240, 255) }
```

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

```
.background{ background-color: rgb(156,  
240, 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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