

Converting Colors

$Y_{xy}(79.2017, 0.2407, 0.2796)$

Have a look what the booklet for
Yxy(79.2017, 0.2407, 0.2796)
contains.

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Color

Yxy(76.8060, 0.2545, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	98F1FF
RGB	152, 241, 255
RGB Percent	60%, 95%, 100%
CMY	0.4039, 0.0549, 0.0000
CMYK	0.40, 0.05, 0.00, 0.00
HSL	188°, 100%, 80%
HSV	188°, 40%, 100%
XYZ	62.4509, 76.8060, 106.1297
YIQ	215.9850, -57.5380, -14.5140

Conversions

Conversions Part 2

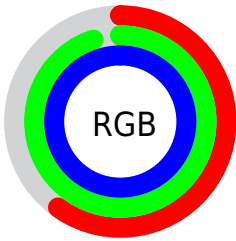
Format	Color
R_{YB}	152, 200, 255
Decimal	10023423
CIE _{Lab}	90.23, -23.22, -15.14
CIE _{LCh}	90, 27.718, 213.110
Yxy	76.8060, 0.2545, 0.3130
Android (android.graphics.Color)	4288213503 (0xFF98F1FF)
YUV	215.9850, 19.2344, -56.1148
Hunter-Lab	87.6390, -26.1706, -10.4521

Details

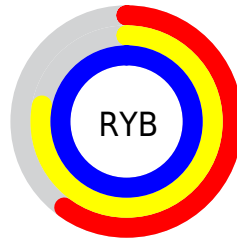
The Yxy color **76.8060, 0.2545, 0.3130** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.7874, 0.4100, 0.3440**, and the grayscale version is **68.5547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **41.1548, 0.2418, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **72.5777, 0.2429, 0.3084**, and if you desaturate by 10%, it is **81.6080, 0.2675, 0.3174**.

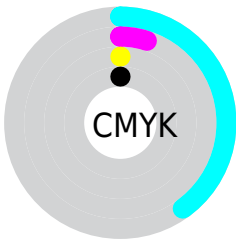
Distribution



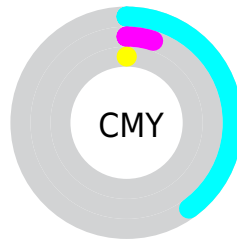
- Red (60%)
- Green (95%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8060, 0.2545, 0.3130 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 76.8060, 0.2545, 0.3130 by changing the saturation by 10% instead.


 76.8060, 0.2545,
0.3130


 76.8060, 0.2545,
0.3130


484.1023, 0.2806,
0.3209

 57.0937, 0.2488,
0.3111


 128.8656, 0.2634,
0.3158

 41.0804, 0.2418,
0.3087


 161.9816, 0.2669,
0.3169

 28.3819, 0.2331,
0.3055


200.3344, 0.2699,
0.3178

 18.6138, 0.2220,
0.3013

244.3082, 0.2726,
0.3186

 11.3915, 0.2076,
0.2954

294.2875, 0.2749,
0.3193

 6.3308, 0.1878,
0.2865

350.6567, 0.2770,

 3.0473, 0.1596,

0.3199

0.2722

413.8002, 0.2789,
0.3205

■ 1.1565, 0.1094,
0.2481

■ 0.0257, 0.0000,
0.0230

■ 76.8060, 0.2545,
0.3130

■ 76.8060, 0.2545,
0.3130

■ 72.5777, 0.2429,
0.3084

■ 81.6080, 0.2675,
0.3174

■ 68.8798, 0.2330,
0.3036

■ 87.0061, 0.2817,
0.3215

■ 65.6767, 0.2250,
0.2988

■ 93.0324, 0.2966,
0.3254

■ 62.9245, 0.2190,
0.2939

99.7136, 0.3121,
0.3289

■ 60.5706, 0.2149,
0.2891

99.9992, 0.3127,
0.3290

■ 58.6032, 0.2124,
0.2846

Harmonies

Analogous

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



76.8060, 0.2714, 0.3443



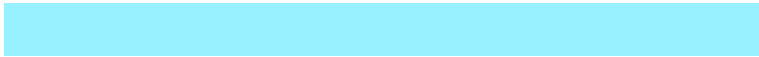
76.8060, 0.2545, 0.3130



76.8060, 0.2523, 0.2885

Triad

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



76.8060, 0.2545, 0.3130



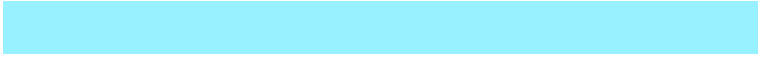
76.8060, 0.3234, 0.2906



76.8060, 0.3610, 0.3836

Complementary

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



76.8060, 0.2545, 0.3130



50.7874, 0.4100, 0.3440

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.



76.8060, 0.3768, 0.3656



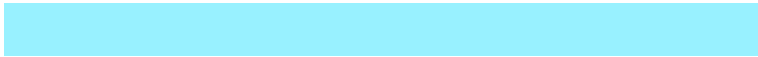
76.8060, 0.2545, 0.3130



76.8060, 0.3547, 0.3129

Square

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



76.8060, 0.2545, 0.3130



76.8060, 0.2906, 0.2774



76.8060, 0.3746, 0.3398



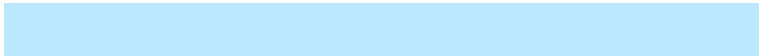
76.8060, 0.3325, 0.3870

Rectangle

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



76.8060, 0.2545, 0.3130



76.8060, 0.2593, 0.2788



76.8060, 0.3746, 0.3398



76.8060, 0.3680, 0.3789

Sweetspot

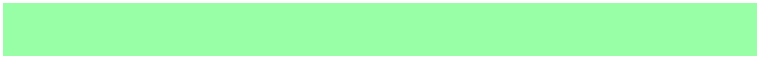
The Sweet Spot groups the original color and five complimentary colors.



76.8090, 0.2545, 0.3130



92.0297, 0.2942, 0.3248



80.9302, 0.3001, 0.4372



19.5247, 0.2922, 0.3243



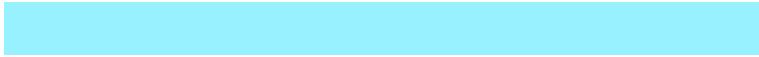
0.0000, 0.0000, 0.0000



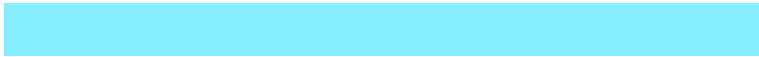
21.4041, 0.3127, 0.3290

Same Dimension

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



76.8090, 0.2545, 0.3130



73.5478, 0.2455, 0.3095



50.6162, 0.2447, 0.2509



20.0361, 0.2980, 0.3257



30.7875, 0.2126, 0.2853



3.1089, 0.2141, 0.2908

Inverse Universe

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



50.0634, 0.3291, 0.2410



44.1215, 0.3329, 0.2257



73.2654, 0.3878, 0.3958



18.2554, 0.3159, 0.3087



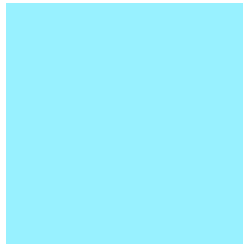
13.8360, 0.3586, 0.1749



1.3584, 0.3536, 0.1722

Previews

White Background



This preview shows how the Yxy color 76.8060, 0.2545, 0.3130 looks on a white background.

Color Contrast Check

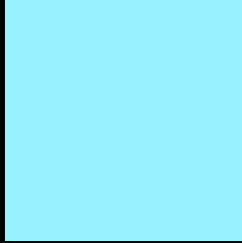
Large Text (above 18pt) WCAG AA × Fail

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 76.8060, 0.2545, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

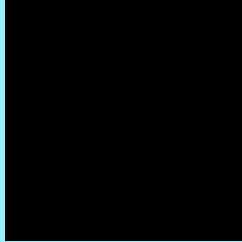
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8060, 0.2545, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 76.8060, 0.2545, 0.3130.

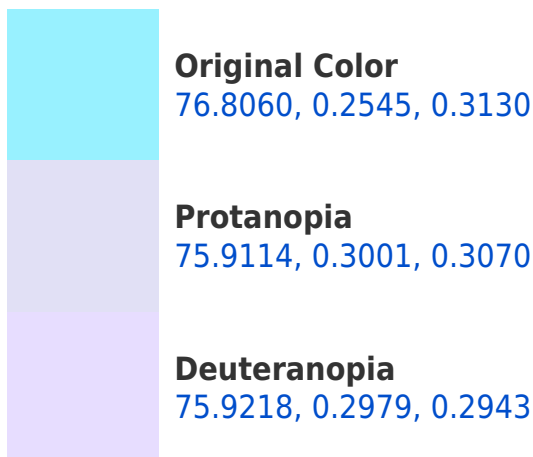


This preview shows how white text looks on a background with the Yxy color 76.8060, 0.2545, 0.3130.

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

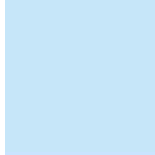
76.4761, 0.2607, 0.3099

Trichromacy



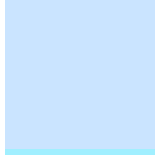
Original Color

76.8060, 0.2545, 0.3130



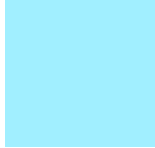
Protanomaly

75.4389, 0.2807, 0.3083



Deuteranomaly

75.2634, 0.2796, 0.3000



Tritanomaly

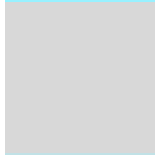
76.5301, 0.2584, 0.3109

Monochromacy



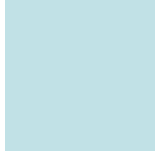
Original Color

76.8060, 0.2545, 0.3130



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

70.9011, 0.2882, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8060, 0.2545, 0.3130 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(152, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 241, 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(152, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.8060, 0.2545, 0.3130 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(152, 241, 255) }
```

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

```
.border{ border-color:rgb(152, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8060, 0.2545, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 241, 255) }
```

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

```
.background{ background-color: rgb(152,  
241, 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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