

Converting Colors

$Yxy(78.5108, 0.2560, 0.3159)$

Have a look what the booklet for
Yxy(78.5108, 0.2560, 0.3159)
contains.

Yxy(78.1912, 0.2558, 0.3153)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.1912, 0.2558, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	9AF3FF
RGB	154, 243, 255
RGB Percent	60%, 95%, 100%
CMY	0.3958, 0.0471, 0.0000
CMYK	0.40, 0.05, 0.00, 0.00
HSL	187°, 100%, 80%
HSV	187°, 40%, 100%
XYZ	63.4358, 78.1912, 106.3628
YIQ	217.7570, -56.8960, -15.1360

Conversions

Conversions Part 2

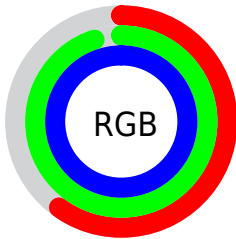
Format	Color
RYB	154, 201, 255
Decimal	10155007
CIELab	90.87, -23.68, -14.19
CIELCh	91, 27.607, 210.934
Yxy	78.1912, 0.2558, 0.3153
Android (android.graphics.Color)	4288345087 (0xFF9AF3FF)
YUV	217.7570, 18.3608, -55.9149
Hunter-Lab	88.4258, -26.6910, -9.4188

Details

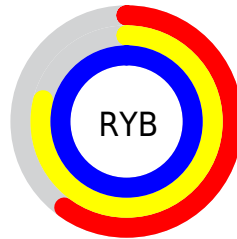
The Yxy color **78.1912, 0.2558, 0.3153** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.8914, 0.4080, 0.3419**, and the grayscale version is **69.8455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **42.1593, 0.2439, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **74.1502, 0.2443, 0.3113**, and if you desaturate by 10%, it is **82.7987, 0.2688, 0.3191**.

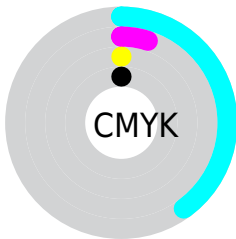
Distribution



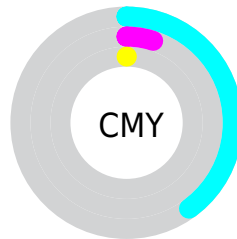
- Red (60%)
- Green (95%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- 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 78.1912, 0.2558, 0.3153 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 78.1912, 0.2558, 0.3153 by changing the saturation by 10% instead.

 78.1912, 0.2558,
0.3153

 78.1912, 0.2558,
0.3153


488.8159, 0.2813,
0.3221

 58.2311, 0.2502,
0.3136


 130.8196, 0.2645,
0.3178

 41.9944, 0.2434,
0.3115


 164.2567, 0.2679,
0.3187

 29.0969, 0.2350,
0.3088


202.9548, 0.2708,
0.3195

 19.1542, 0.2242,
0.3051

247.2985, 0.2734,
0.3202

 11.7817, 0.2102,
0.2999

297.6720, 0.2757,
0.3208

 6.5952, 0.1910,
0.2921

354.4599, 0.2778,

 3.2103, 0.1637,

0.3213

0.2794

418.0464, 0.2796,
0.3217

■ 1.2425, 0.1172,
0.2576

■ 0.0960, 0.0000,
0.0801

■ 78.1912, 0.2558,
0.3153

■ 78.1912, 0.2558,
0.3153

■ 74.1502, 0.2443,
0.3113

■ 82.7987, 0.2688,
0.3191

■ 70.6340, 0.2345,
0.3072

■ 87.9963, 0.2829,
0.3227

■ 67.6073, 0.2265,
0.3030

■ 93.8151, 0.2979,
0.3261

■ 65.0266, 0.2206,
0.2987

100.0000, 0.3127,
0.3290

■ 62.8401, 0.2165,
0.2946

■ 60.9674, 0.2141,
0.2904

■ 60.8925, 0.2140,
0.2903

Harmonies

Analogous

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



78.1912, 0.2736, 0.3464



78.1912, 0.2558, 0.3153



78.1912, 0.2525, 0.2903

Triad

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



78.1912, 0.2558, 0.3153



78.1912, 0.3209, 0.2897



78.1912, 0.3622, 0.3821

Complementary

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



78.1912, 0.2558, 0.3153



50.8914, 0.4080, 0.3419

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.



78.1912, 0.3766, 0.3636



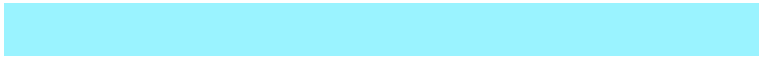
78.1912, 0.2558, 0.3153



78.1912, 0.3523, 0.3113

Square

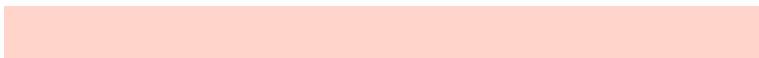
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1912, 0.2558, 0.3153



78.1912, 0.2887, 0.2773



78.1912, 0.3731, 0.3377



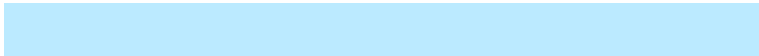
78.1912, 0.3346, 0.3867

Rectangle

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



78.1912, 0.2558, 0.3153



78.1912, 0.2587, 0.2800



78.1912, 0.3731, 0.3377



78.1912, 0.3688, 0.3772

Sweetspot

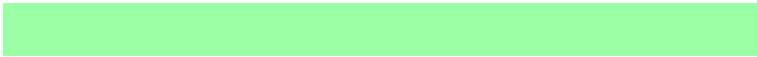
The Sweet Spot groups the original color and five complimentary colors.



78.1937, 0.2558, 0.3153



92.3511, 0.2942, 0.3253



81.1431, 0.3012, 0.4367



19.6008, 0.2922, 0.3249



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.



78.1937, 0.2558, 0.3153



74.7547, 0.2460, 0.3120



52.1270, 0.2464, 0.2548



20.0908, 0.2980, 0.3261



31.9639, 0.2142, 0.2910



3.2119, 0.2155, 0.2957

Inverse Universe

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



50.8617, 0.3272, 0.2413



44.2433, 0.3310, 0.2240



72.8640, 0.3867, 0.3929



18.2610, 0.3156, 0.3083



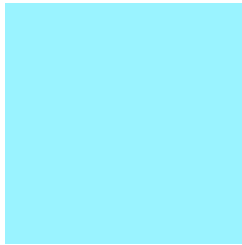
13.9547, 0.3535, 0.1721



1.3688, 0.3492, 0.1698

Previews

White Background



This preview shows how the Yxy color 78.1912, 0.2558, 0.3153 looks on a white background.

Color Contrast Check

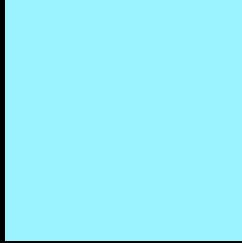
Large Text (above 18pt) WCAG AA × Fail

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 78.1912, 0.2558, 0.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

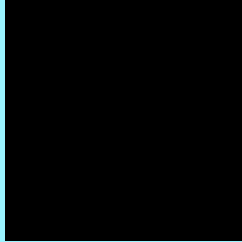
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1912, 0.2558, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 78.1912, 0.2558, 0.3153.

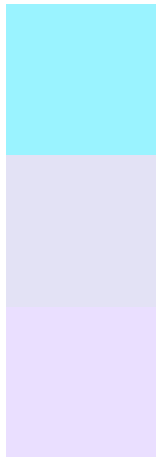


This preview shows how white text looks on a background with the Yxy color 78.1912, 0.2558, 0.3153.

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

78.1912, 0.2558, 0.3153

Protanopia

77.3162, 0.3014, 0.3093

Deuteranopia

77.4878, 0.2999, 0.2966



Tritanopia

77.9517, 0.2650, 0.3112

Trichromacy



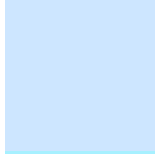
Original Color

78.1912, 0.2558, 0.3153



Protanomaly

76.8321, 0.2821, 0.3106



Deuteranomaly

76.7928, 0.2816, 0.3024



Tritanomaly

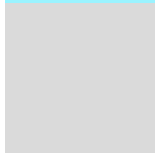
77.7557, 0.2615, 0.3122

Monochromacy



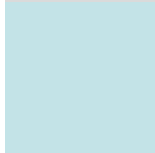
Original Color

78.1912, 0.2558, 0.3153



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.3098, 0.2889, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1912, 0.2558, 0.3153 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(154, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 243, 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(154, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.1912, 0.2558, 0.3153 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(154, 243, 255) }
```

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

```
.border{ border-color:rgb(154, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1912, 0.2558, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 243, 255) }
```

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

```
.background{ background-color: rgb(154,  
243, 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