

Converting Colors

$Yxy(81.8105, 0.2656, 0.3186)$

Have a look what the booklet for
Yxy(81.8105, 0.2656, 0.3186)
contains.

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Color

Yxy(82.0158, 0.2654, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	ADF6FF
RGB	173, 246, 255
RGB Percent	68%, 96%, 100%
CMY	0.3217, 0.0353, 0.0000
CMYK	0.32, 0.04, 0.00, 0.00
HSL	187°, 100%, 84%
HSV	187°, 32%, 100%
XYZ	68.2351, 82.0158, 106.8519
YIQ	225.1990, -46.3970, -12.6770

Conversions

Conversions Part 2

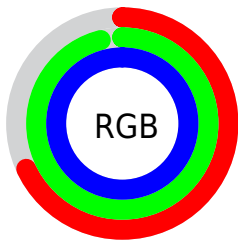
Format	Color
RYB	173, 212, 255
Decimal	11400959
CIELab	92.58, -20.32, -11.54
CIELCh	93, 23.367, 209.591
Yxy	82.0158, 0.2654, 0.3190
Android (android.graphics.Color)	4289591039 (0xFFADF6FF)
YUV	225.1990, 14.6919, -45.7785
Hunter-Lab	90.5626, -23.9923, -6.5606

Details

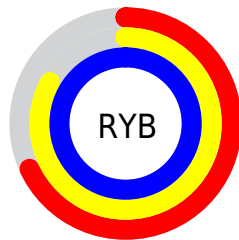
The Yxy color **82.0158, 0.2654, 0.3190** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.7148, 0.3843, 0.3387**, and the grayscale version is **75.3595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **44.6860, 0.2553, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **77.6966, 0.2529, 0.3155**, and if you desaturate by 10%, it is **86.9201, 0.2792, 0.3224**.

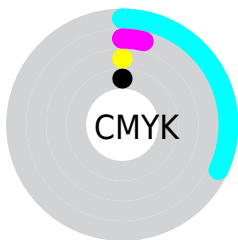
Distribution



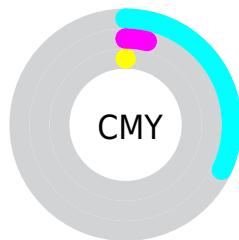
- Red (68%)
- Green (96%)
- Blue (100%)



- Red (68%)
- Yellow (83%)
- Blue (100%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0158, 0.2654, 0.3190 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 82.0158, 0.2654, 0.3190 by changing the saturation by 10% instead.

 82.0158, 0.2654,
0.3190

 82.0158, 0.2654,
0.3190


501.7005, 0.2865,
0.3239

 61.3786, 0.2608,
0.3178


 136.1962, 0.2726,
0.3208

 44.5307, 0.2552,
0.3163

170.5081, 0.2754,
0.3214

 31.0880, 0.2482,
0.3144


210.1470, 0.2778,
0.3220

 20.6659, 0.2393,
0.3118

255.4973, 0.2800,
0.3225

 12.8800, 0.2277,
0.3081

306.9434, 0.2819,
0.3229

 7.3459, 0.2118,
0.3027

364.8697, 0.2836,

 3.6794, 0.1890,

0.3233

0.2939

429.6607, 0.2851,
0.3236

1.4959, 0.1537,
0.2778

0.2858, 0.0000,
0.2024

82.0158, 0.2654,
0.3190

82.0158, 0.2654,
0.3190

77.6966, 0.2529,
0.3155

86.9201, 0.2792,
0.3224

73.9234, 0.2419,
0.3117

92.4315, 0.2939,
0.3255

70.6638, 0.2326,
0.3079

98.5797, 0.3093,
0.3284

67.8786, 0.2253,
0.3041

100.0000, 0.3127,
0.3290

■ 65.5225, 0.2200,
0.3002

■ 63.5411, 0.2165,
0.2964

■ 62.1876, 0.2149,
0.2934

Harmonies

Analogous

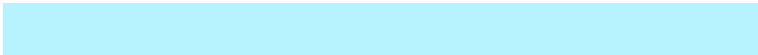
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0158, 0.2810, 0.3447



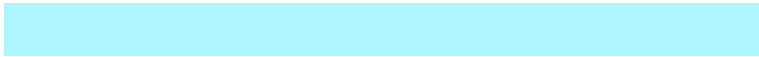
82.0158, 0.2654, 0.3190



82.0158, 0.2620, 0.2976

Triad

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



82.0158, 0.2654, 0.3190



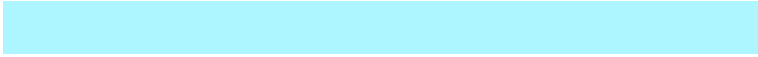
82.0158, 0.3184, 0.2952



82.0158, 0.3548, 0.3729

Complementary

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



82.0158, 0.2654, 0.3190



57.7148, 0.3843, 0.3387

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.



82.0158, 0.3661, 0.3574



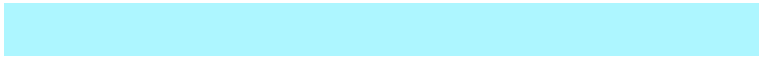
82.0158, 0.2654, 0.3190



82.0158, 0.3446, 0.3133

Square

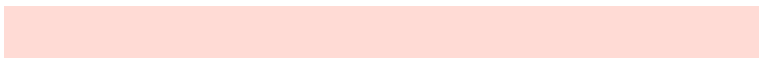
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0158, 0.2654, 0.3190



82.0158, 0.2917, 0.2852



82.0158, 0.3624, 0.3356



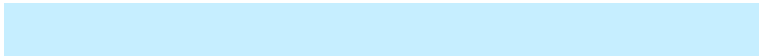
82.0158, 0.3324, 0.3769

Rectangle

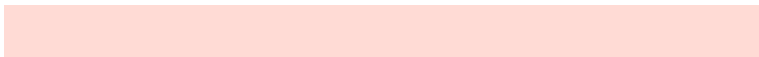
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



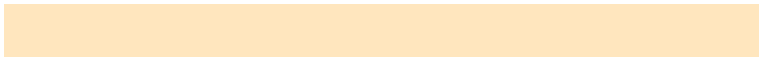
82.0158, 0.2654, 0.3190



82.0158, 0.2669, 0.2885



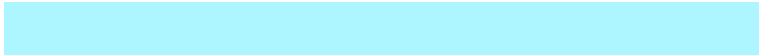
82.0158, 0.3624, 0.3356



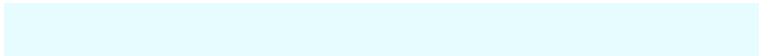
82.0158, 0.3601, 0.3688

Sweetspot

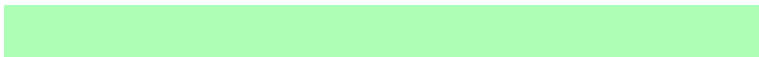
The Sweet Spot groups the original color and five complimentary colors.



82.0182, 0.2654, 0.3190



93.7103, 0.2972, 0.3262



83.7439, 0.3039, 0.4149



19.8798, 0.2951, 0.3258



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.



82.0182, 0.2654, 0.3190



79.0053, 0.2567, 0.3166



60.1379, 0.2597, 0.2726



20.1213, 0.2980, 0.3263



32.6310, 0.2150, 0.2941



3.2702, 0.2162, 0.2984

Inverse Universe

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



57.7895, 0.3234, 0.2567



51.4240, 0.3262, 0.2417



76.6180, 0.3712, 0.3794



18.2641, 0.3155, 0.3081



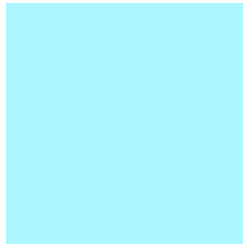
14.0221, 0.3507, 0.1706



1.3747, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 82.0158, 0.2654, 0.3190 looks on a white background.

Color Contrast Check

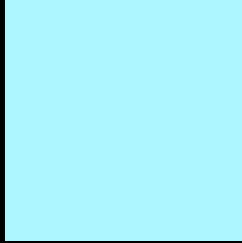
Large Text (above 18pt) WCAG AA × Fail

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 82.0158, 0.2654, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

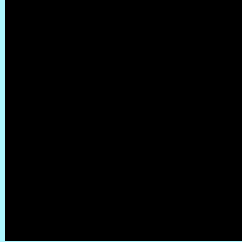
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.0158, 0.2654, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 82.0158, 0.2654, 0.3190.

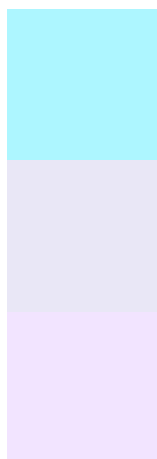


This preview shows how white text looks on a background with the Yxy color 82.0158, 0.2654, 0.3190.

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

82.0158, 0.2654, 0.3190

Protanopia

81.1293, 0.3047, 0.3137

Deuteranopia

81.5841, 0.3052, 0.3022



Tritanopia

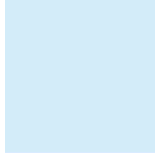
81.7327, 0.2766, 0.3140

Trichromacy



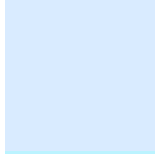
Original Color

82.0158, 0.2654, 0.3190



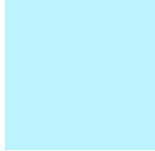
Protanomaly

80.6793, 0.2890, 0.3152



Deuteranomaly

81.3884, 0.2892, 0.3082



Tritanomaly

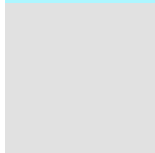
81.8860, 0.2724, 0.3160

Monochromacy



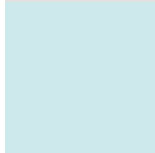
Original Color

82.0158, 0.2654, 0.3190



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.4558, 0.2932, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0158, 0.2654, 0.3190 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(173, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 246, 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(173, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.0158, 0.2654, 0.3190 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(173, 246, 255) }
```

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

```
.border{ border-color:rgb(173, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0158, 0.2654, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 246, 255) }
```

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

```
.background{ background-color: rgb(173,  
246, 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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