

Converting Colors

$Y_{xy}(82.3019, 0.2506, 0.3256)$

Have a look what the booklet for
Yxy(82.3019, 0.2506, 0.3256)
contains.

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Color

Yxy(82.2441, 0.2506, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	8AFCFF
RGB	138, 252, 255
RGB Percent	54%, 99%, 100%
CMY	0.4590, 0.0117, 0.0000
CMYK	0.46, 0.01, 0.00, 0.00
HSL	182°, 100%, 77%
HSV	182°, 46%, 100%
XYZ	63.3386, 82.2441, 107.1650
YIQ	218.2560, -68.9070, -23.2350

Conversions

Conversions Part 2

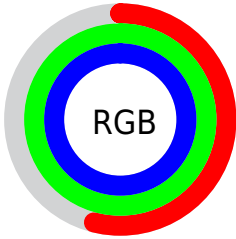
Format	Color
R_{YB}	138, 196, 255
Decimal	9108735
CIE _{Lab}	92.68, -31.73, -11.56
CIE _{LCh}	93, 33.769, 200.017
Y _{xy}	82.2441, 0.2506, 0.3254
Android (android.graphics.Color)	4287298815 (0xFF8AFCFF)
YUV	218.2560, 18.1148, -70.3845
Hunter-Lab	90.6885, -34.0372, -6.5800

Details

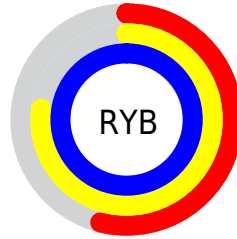
The Yxy color **82.2441, 0.2506, 0.3254** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.1274, 0.4368, 0.3325**, and the grayscale version is **70.1982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **44.6439, 0.2375, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **79.9122, 0.2413, 0.3246**, and if you desaturate by 10%, it is **85.0908, 0.2618, 0.3263**.

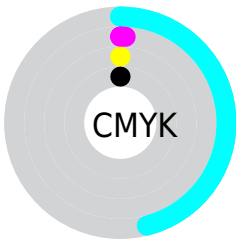
Distribution



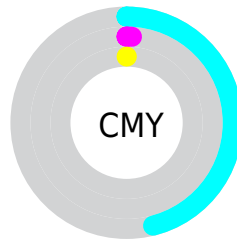
- Red (54%)
- Green (99%)
- Blue (100%)



- Red (54%)
- Yellow (77%)
- Blue (100%)



- Cyan (46%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2441, 0.2506, 0.3254 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 82.2441, 0.2506, 0.3254 by changing the saturation by 10% instead.


 82.2441, 0.2506,
0.3254


 82.2441, 0.2506,
0.3254


502.4638, 0.2781,
0.3277

 61.5668, 0.2446,
0.3247


 136.5163, 0.2599,
0.3263

 44.6827, 0.2374,
0.3239


 170.8799, 0.2636,
0.3266

 31.2076, 0.2284,
0.3226


210.5744, 0.2668,
0.3269

 20.7570, 0.2171,
0.3209

255.9841, 0.2696,
0.3271

 12.9465, 0.2023,
0.3183

307.4936, 0.2721,
0.3273

 7.3917, 0.1825,
0.3140

365.4871, 0.2743,

 3.7083, 0.1546,

0.3275

0.3064

430.3490, 0.2763,
0.3276

■ 1.5117, 0.1085,
0.2928

■ 0.2970, 0.0000,
0.2065

■ 82.2441, 0.2506,
0.3254

■ 82.2441, 0.2506,
0.3254

■ 79.9122, 0.2413,
0.3246

■ 85.0908, 0.2618,
0.3263

■ 78.0543, 0.2338,
0.3237

■ 88.4807, 0.2745,
0.3271

■ 76.6310, 0.2283,
0.3228

■ 92.4452, 0.2885,
0.3279

■ 75.5942, 0.2248,
0.3220

■ 97.0122, 0.3035,
0.3286

■ 74.8844, 0.2229,
0.3211

100.0000, 0.3127,
0.3290

■ 74.6521, 0.2225,
0.3208

Harmonies

Analogous

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



82.2441, 0.2769, 0.3634



82.2441, 0.2506, 0.3254



82.2441, 0.2404, 0.2916

Triad

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



82.2441, 0.2506, 0.3254



82.2441, 0.3077, 0.2755



82.2441, 0.3805, 0.3857

Complementary

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



82.2441, 0.2506, 0.3254



42.1274, 0.4368, 0.3325

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.



82.2441, 0.3908, 0.3589



82.2441, 0.2506, 0.3254



82.2441, 0.3473, 0.2975

Square

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



82.2441, 0.2506, 0.3254



82.2441, 0.2717, 0.2657



82.2441, 0.3785, 0.3272



82.2441, 0.3519, 0.3991

Rectangle

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



82.2441, 0.2506, 0.3254



82.2441, 0.2434, 0.2760



82.2441, 0.3785, 0.3272



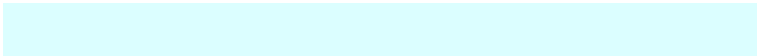
82.2441, 0.3863, 0.3779

Sweetspot

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



82.2456, 0.2506, 0.3254



93.2659, 0.2913, 0.3280



78.8100, 0.3050, 0.4717



19.7636, 0.2881, 0.3279



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.



82.2456, 0.2506, 0.3254



80.1022, 0.2420, 0.3246



51.4377, 0.2380, 0.2554



20.3971, 0.2980, 0.3283



39.0432, 0.2225, 0.3209



3.8257, 0.2228, 0.3219

Inverse Universe

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



46.4527, 0.3205, 0.2193



40.4558, 0.3220, 0.2010



63.6777, 0.4065, 0.3916



18.2919, 0.3142, 0.3062



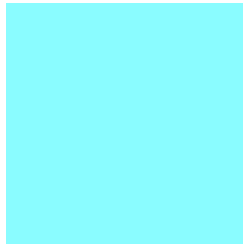
14.6694, 0.3274, 0.1577



1.4308, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 82.2441, 0.2506, 0.3254 looks on a white background.

Color Contrast Check

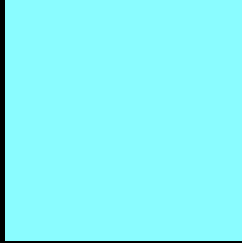
Large Text (above 18pt) WCAG AA × Fail

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 82.2441, 0.2506, 0.3254 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 82.2441, 0.2506, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 82.2441, 0.2506, 0.3254.

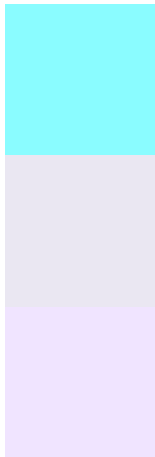


This preview shows how white text looks on a background with the Yxy color 82.2441, 0.2506, 0.3254.

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

82.2441, 0.2506, 0.3254

Protanopia

81.0551, 0.3079, 0.3177

Deuteranopia

81.2321, 0.3039, 0.3020



Tritanopia

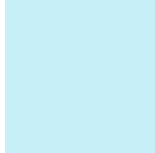
81.8860, 0.2724, 0.3160

Trichromacy



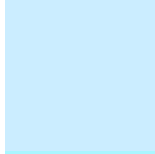
Original Color

82.2441, 0.2506, 0.3254



Protanomaly

80.5905, 0.2830, 0.3203



Deuteranomaly

80.4849, 0.2809, 0.3099



Tritanomaly

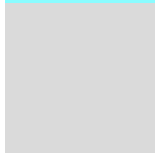
81.5666, 0.2634, 0.3189

Monochromacy



Original Color

82.2441, 0.2506, 0.3254



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.1820, 0.2854, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2441, 0.2506, 0.3254 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(138, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 252, 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(138, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.2441, 0.2506, 0.3254 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(138, 252, 255) }
```

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

```
.border{ border-color:rgb(138, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2441, 0.2506, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 252, 255) }
```

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

```
.background{ background-color: rgb(138,  
252, 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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