

Converting Colors

$Y_{xy}(82.3812, 0.2535, 0.3459)$

Have a look what the booklet for
Yxy(82.3812, 0.2535, 0.3459)
contains.

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Color

Yxy(82.4005, 0.2538, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	80FFF0
RGB	128, 255, 240
RGB Percent	50%, 100%, 94%
CMY	0.4980, 0.0000, 0.0588
CMYK	0.50, 0.00, 0.06, 0.00
HSL	173°, 100%, 75%
HSV	173°, 50%, 100%
XYZ	60.3905, 82.4005, 95.1544
YIQ	215.3170, -70.8770, -31.5890

Conversions

Conversions Part 2

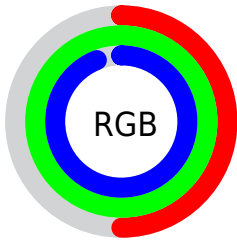
Format	Color
R_{YB}	128, 195, 255
Decimal	8454128
CIE _{Lab}	92.75, -38.91, -3.71
CIE _{LCh}	93, 39.086, 185.449
Yxy	82.4005, 0.2538, 0.3463
Android (android.graphics.Color)	4286644208 (0xFF80FFF0)
YUV	215.3170, 12.1687, -76.5770
Hunter-Lab	90.7747, -40.1034, 1.3917

Details

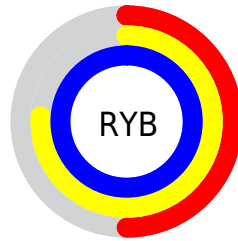
The Yxy color **82.4005, 0.2538, 0.3463** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.6861, 0.4376, 0.3139**, and the grayscale version is **68.1352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **44.9056, 0.2410, 0.3503** is the 20% darker color. If you saturate the color by 10%, you get **80.4883, 0.2463, 0.3504**, and if you desaturate by 10%, it is **84.8141, 0.2631, 0.3424**.

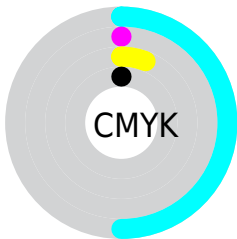
Distribution



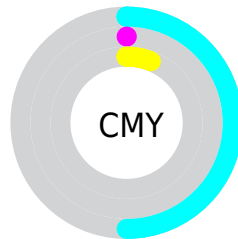
- Red (50%)
- Green (100%)
- Blue (94%)



- Red (50%)
- Yellow (76%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4005, 0.2538, 0.3463 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 82.4005, 0.2538, 0.3463 by changing the saturation by 10% instead.

 82.4005, 0.2538,
0.3463


 82.4005, 0.2538,
0.3463


502.9864, 0.2801,
0.3388


 61.6957, 0.2480,
0.3479


 136.7355, 0.2628,
0.3438

 44.7869, 0.2410,
0.3498


 171.1345, 0.2663,
0.3428

 31.2896, 0.2323,
0.3521


 210.8670, 0.2694,
0.3419

 20.8195, 0.2212,
0.3549

256.3175, 0.2720,
0.3412

 12.9921, 0.2066,
0.3585

307.8702, 0.2744,
0.3405

 7.4231, 0.1867,
0.3631

365.9097, 0.2765,

 3.7281, 0.1583,

0.3399

0.3691

430.8203, 0.2784,
0.3393

■ 1.5227, 0.0986,
0.3832

■ 0.3046, 0.0000,
0.3400

■ 82.4005, 0.2538,
0.3463

■ 82.4005, 0.2538,
0.3463

■ 80.4883, 0.2463,
0.3504

■ 84.8141, 0.2631,
0.3424

■ 79.0371, 0.2407,
0.3545

■ 87.7606, 0.2739,
0.3386

■ 78.0042, 0.2371,
0.3587

■ 91.2720, 0.2861,
0.3351

■ 77.3380, 0.2354,
0.3628

■ 95.3768, 0.2992,
0.3319

■ 76.9557, 0.2353,
0.3669

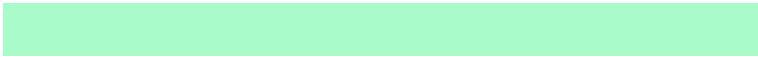
100.0000, 0.3127,
0.3290

■ 76.9490, 0.2353,
0.3670

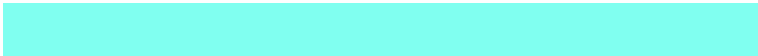
Harmonies

Analogous

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



82.4005, 0.2908, 0.3876



82.4005, 0.2538, 0.3463



82.4005, 0.2330, 0.3027

Triad

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



82.4005, 0.2538, 0.3463



82.4005, 0.2853, 0.2605



82.4005, 0.3999, 0.3799

Complementary

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



82.4005, 0.2538, 0.3463



38.6861, 0.4376, 0.3139

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.



82.4005, 0.3995, 0.3451



82.4005, 0.2538, 0.3463



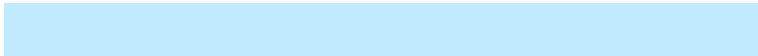
82.4005, 0.3306, 0.2793

Square

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



82.4005, 0.2538, 0.3463



82.4005, 0.2502, 0.2571



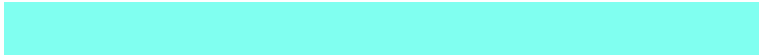
82.4005, 0.3735, 0.3093



82.4005, 0.3757, 0.4049

Rectangle

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



82.4005, 0.2538, 0.3463



82.4005, 0.2300, 0.2798



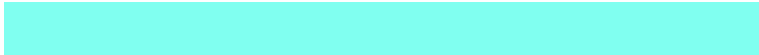
82.4005, 0.3735, 0.3093



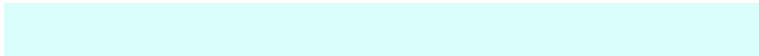
82.4005, 0.4028, 0.3689

Sweetspot

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



82.4013, 0.2538, 0.3463



93.1657, 0.2923, 0.3336



79.0938, 0.3141, 0.4840



19.7596, 0.2895, 0.3342



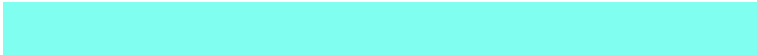
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.4013, 0.2538, 0.3463



80.4546, 0.2462, 0.3504



57.1364, 0.2365, 0.2724



20.4423, 0.2996, 0.3318



40.2222, 0.2351, 0.3663



3.9263, 0.2338, 0.3616

Inverse Universe

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



38.6861, 0.4376, 0.3139



32.1207, 0.4800, 0.3122



53.3142, 0.4276, 0.3775



18.0220, 0.3276, 0.3262



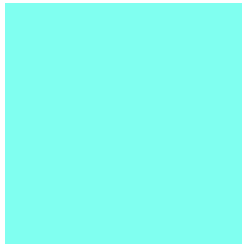
11.1691, 0.6259, 0.3222



1.0981, 0.6021, 0.3091

Previews

White Background



This preview shows how the Yxy color 82.4005, 0.2538, 0.3463 looks on a white background.

Color Contrast Check

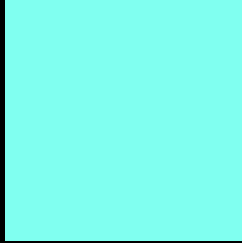
Large Text (above 18pt) WCAG AA × Fail

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 82.4005, 0.2538, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

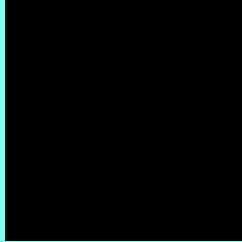
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4005, 0.2538, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 82.4005, 0.2538, 0.3463.

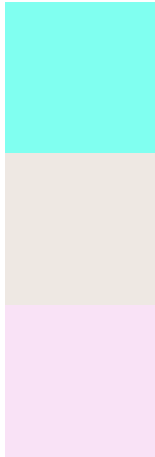


This preview shows how white text looks on a background with the Yxy color 82.4005, 0.2538, 0.3463.

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

82.4005, 0.2538, 0.3463

Protanopia

81.4364, 0.3200, 0.3342

Deuteranopia

81.1863, 0.3157, 0.3092



Tritanopia

81.7603, 0.2718, 0.3159

Trichromacy



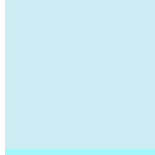
Original Color

82.4005, 0.2538, 0.3463



Protanomaly

80.1521, 0.2908, 0.3377



Deuteranomaly

80.0792, 0.2882, 0.3214



Tritanomaly

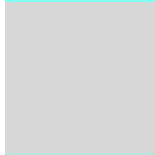
81.4230, 0.2640, 0.3255

Monochromacy



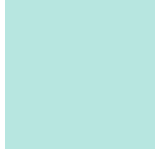
Original Color

82.4005, 0.2538, 0.3463



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0427, 0.2857, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4005, 0.2538, 0.3463 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(128, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 240)  
}
```

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(128, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 82.4005, 0.2538, 0.3463 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(128, 255, 240) }
```

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

```
.border{ border-color:rgb(128, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4005, 0.2538, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 240) }
```

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

```
.background{ background-color: rgb(128,  
255, 240) }
```

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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