

Converting Colors

$Yxy(90.1766, 0.2573, 0.3624)$

Have a look what the booklet for
Yxy(90.1766, 0.2573, 0.3624)
contains.

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Color

$\text{Yxy}(82.2822, 0.2547, 0.3487)$

Conversions

Conversions Part 1

Format	Color
Hex	80FFEE
RGB	128, 255, 238
RGB Percent	50%, 100%, 93%
CMY	0.4977, 0.0000, 0.0668
CMYK	0.50, 0.00, 0.07, 0.00
HSL	172°, 100%, 75%
HSV	172°, 50%, 100%
XYZ	60.1012, 82.2822, 93.5851
YIQ	215.0890, -70.2350, -32.2110

Conversions

Conversions Part 2

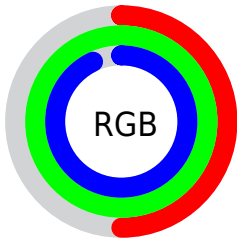
Format	Color
RYB	128, 196, 255
Decimal	8454126
CIELab	92.70, -39.37, -2.74
CIELCh	93, 39.468, 183.987
Yxy	82.2822, 0.2547, 0.3487
Android (android.graphics.Color)	4286644206 (0xFF80FFEE)
YUV	215.0890, 11.2951, -76.3771
Hunter-Lab	90.7095, -40.4734, 2.3271

Details

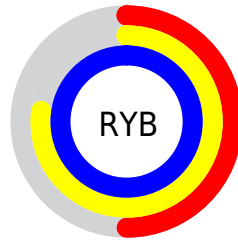
The Yxy color **82.2822, 0.2547, 0.3487** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.7682, 0.4351, 0.3118**, and the grayscale version is **67.9911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **44.8223, 0.2420, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **80.3496, 0.2473, 0.3533**, and if you desaturate by 10%, it is **84.7219, 0.2639, 0.3442**.

Distribution



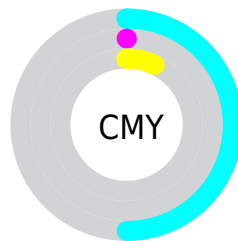
- Red (50%)
- Green (100%)
- Blue (93%)



- Red (50%)
- Yellow (77%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2822, 0.2547, 0.3487 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 82.2822, 0.2547, 0.3487 by changing the saturation by 10% instead.


 82.2822, 0.2547,
0.3487


 82.2822, 0.2547,
0.3487


502.5911, 0.2807,
0.3401

 61.5982, 0.2490,
0.3506

 136.5697, 0.2635,
0.3458

 44.7081, 0.2420,
0.3528


 170.9419, 0.2670,
0.3446

 31.2276, 0.2334,
0.3555


 210.6457, 0.2700,
0.3436

 20.7722, 0.2224,
0.3590

256.0653, 0.2727,
0.3428

 12.9576, 0.2079,
0.3634

307.5853, 0.2750,
0.3420

 7.3993, 0.1882,
0.3692

365.5900, 0.2771,

 3.7131, 0.1598,

0.3413

0.3770

430.4638, 0.2790,
0.3406

■ 1.5144, 0.0980,
0.3956

■ 0.2988, 0.0000,
0.3662

■ 82.2822, 0.2547,
0.3487

■ 82.2822, 0.2547,
0.3487

■ 80.3496, 0.2473,
0.3533

■ 84.7219, 0.2639,
0.3442

■ 78.8765, 0.2418,
0.3581

■ 87.6931, 0.2746,
0.3400

■ 77.8227, 0.2384,
0.3629

■ 91.2301, 0.2865,
0.3360

■ 77.1366, 0.2368,
0.3676

■ 95.3614, 0.2994,
0.3323

■ 76.7356, 0.2368,
0.3723

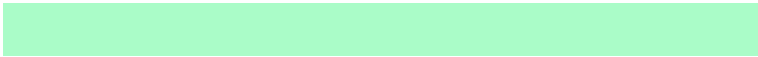
99.9976, 0.3127,
0.3290

■ 76.7276, 0.2368,
0.3724

Harmonies

Analogous

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



82.2822, 0.2926, 0.3899



82.2822, 0.2547, 0.3487



82.2822, 0.2328, 0.3044

Triad

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



82.2822, 0.2547, 0.3487



82.2822, 0.2830, 0.2594



82.2822, 0.4014, 0.3788

Complementary

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



82.2822, 0.2547, 0.3487



38.7682, 0.4351, 0.3118

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.



82.2822, 0.3997, 0.3434



82.2822, 0.2547, 0.3487



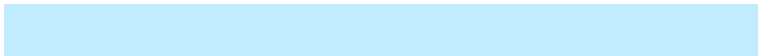
82.2822, 0.3284, 0.2776

Square

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



82.2822, 0.2547, 0.3487



82.2822, 0.2482, 0.2566



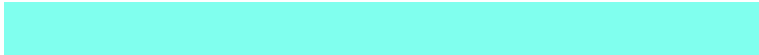
82.2822, 0.3723, 0.3075



82.2822, 0.3780, 0.4048

Rectangle

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



82.2822, 0.2547, 0.3487



82.2822, 0.2291, 0.2808



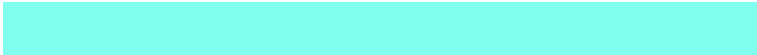
82.2822, 0.3723, 0.3075



82.2822, 0.4039, 0.3676

Sweetspot

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



82.2854, 0.2547, 0.3487



93.1275, 0.2926, 0.3342



79.2930, 0.3153, 0.4834



19.7503, 0.2899, 0.3350



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

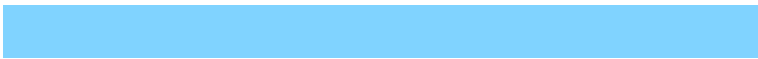
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2854, 0.2547, 0.3487



80.3131, 0.2472, 0.3535



58.1951, 0.2371, 0.2751



20.4371, 0.2998, 0.3322



40.1094, 0.2366, 0.3716



3.9164, 0.2351, 0.3662

Inverse Universe

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



38.7682, 0.4351, 0.3118



32.1807, 0.4768, 0.3097



52.5181, 0.4287, 0.3753



18.0267, 0.3273, 0.3258



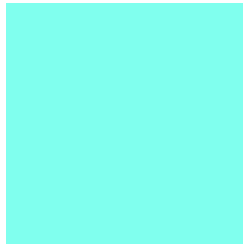
11.1818, 0.6230, 0.3206



1.1004, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 82.2822, 0.2547, 0.3487 looks on a white background.

Color Contrast Check

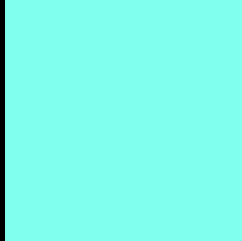
Large Text (above 18pt) WCAG AA × Fail

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 82.2822, 0.2547, 0.3487 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

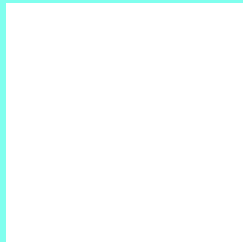
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2822, 0.2547, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 82.2822, 0.2547, 0.3487.

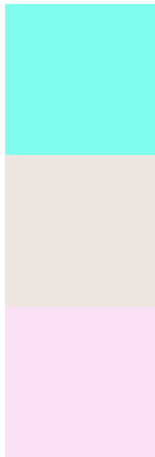


This preview shows how white text looks on a background with the Yxy color 82.2822, 0.2547, 0.3487.

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

82.2822, 0.2547, 0.3487

Protanopia

80.7652, 0.3214, 0.3352

Deuteranopia

81.2484, 0.3177, 0.3112



Tritanopia

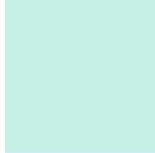
81.7603, 0.2718, 0.3159

Trichromacy



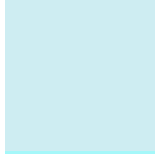
Original Color

82.2822, 0.2547, 0.3487



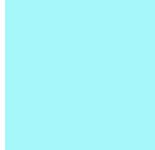
Protanomaly

80.0391, 0.2919, 0.3399



Deuteranomaly

80.1010, 0.2899, 0.3236



Tritanomaly

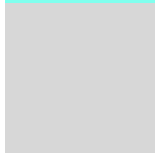
81.3604, 0.2645, 0.3266

Monochromacy



Original Color

82.2822, 0.2547, 0.3487



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9886, 0.2862, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2822, 0.2547, 0.3487 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 82.2822, 0.2547, 0.3487 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, 238) }
```

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

```
.border{ border-color:rgb(128, 255, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2822, 0.2547, 0.3487 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, 238) }
```

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

```
.background{ background-color: rgb(128,  
255, 238) }
```

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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