

Converting Colors

$Y_{xy}(100.0000, 0.2502, 0.3583)$

Have a look what the booklet for
Yxy(100.0000, 0.2502, 0.3583)
contains.

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Color

Yxy(82.5273, 0.2444, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	76FFFE
RGB	118, 255, 254
RGB Percent	46%, 100%, 100%
CMY	0.5366, 0.0001, 0.0038
CMYK	0.54, 0.00, 0.00, 0.00
HSL	180°, 100%, 73%
HSV	180°, 54%, 100%
XYZ	61.1387, 82.5273, 106.4925
YIQ	213.9230, -81.3310, -29.3550

Conversions

Conversions Part 2

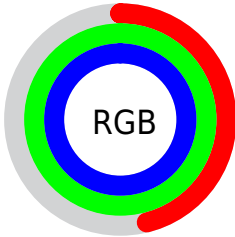
Format	Color
RYB	118, 187, 255
Decimal	7798782
CIELab	92.81, -37.38, -10.93
CIElCh	93, 38.946, 196.294
Yxy	82.5273, 0.2444, 0.3299
Android (android.graphics.Color)	4285988862 (0xFF76FFFE)
YUV	213.9230, 19.7580, -84.1245
Hunter-Lab	90.8445, -38.8467, -5.9115

Details

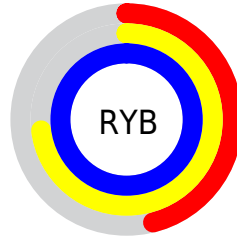
The Yxy color **82.5273, 0.2444, 0.3299** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.5857, 0.4715, 0.3285**, and the grayscale version is **67.1248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **44.9773, 0.2302, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.9658, 0.2369, 0.3301**, and if you desaturate by 10%, it is **84.5777, 0.2538, 0.3297**.

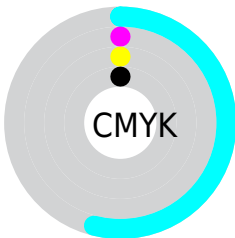
Distribution



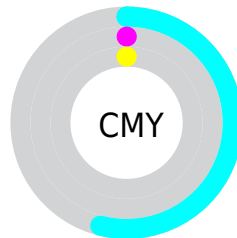
- Red (46%)
- Green (100%)
- Blue (100%)



- Red (46%)
- Yellow (73%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5273, 0.2444, 0.3299 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 82.5273, 0.2444, 0.3299 by changing the saturation by 10% instead.


 82.5273, 0.2444,
0.3299


 82.5273, 0.2444,
0.3299


503.4098, 0.2746,
0.3303

 61.8003, 0.2378,
0.3296


 136.9132, 0.2546,
0.3302

 44.8713, 0.2299,
0.3292


 171.3409, 0.2586,
0.3302

 31.3561, 0.2201,
0.3286


 211.1042, 0.2622,
0.3303

 20.8702, 0.2078,
0.3276

256.5876, 0.2653,
0.3303

 13.0291, 0.1919,
0.3258

308.1755, 0.2680,
0.3303

 7.4486, 0.1705,
0.3227

366.2522, 0.2704,

 3.7442, 0.1409,

0.3303

431.2022, 0.2726,
0.3303

0.3165

1.5315, 0.0871,
0.3066

0.3108, 0.0000,
0.2189

82.5273, 0.2444,
0.3299

82.5273, 0.2444,
0.3299

80.9658, 0.2369,
0.3301

84.5777, 0.2538,
0.3297

79.8440, 0.2313,
0.3303

87.1429, 0.2651,
0.3295


79.1187, 0.2277,
0.3305

90.2582, 0.2779,
0.3293

78.7337, 0.2258,
0.3308

93.9531, 0.2919,
0.3292

 78.6149, 0.2253,
0.3309

 98.2549, 0.3070,
0.3290

99.9906, 0.3127,
0.3290

Harmonies

Analogous

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



82.5273, 0.2761, 0.3739



82.5273, 0.2444, 0.3299



82.5273, 0.2306, 0.2897

Triad

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



82.5273, 0.2444, 0.3299



82.5273, 0.3011, 0.2660



82.5273, 0.3934, 0.3904

Complementary

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



82.5273, 0.2444, 0.3299



35.5857, 0.4715, 0.3285

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.



82.5273, 0.4024, 0.3581



82.5273, 0.2444, 0.3299



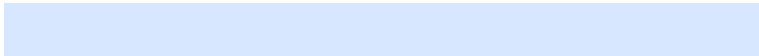
82.5273, 0.3470, 0.2893

Square

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



82.5273, 0.2444, 0.3299



82.5273, 0.2614, 0.2566



82.5273, 0.3852, 0.3220



82.5273, 0.3623, 0.4091

Rectangle

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



82.5273, 0.2444, 0.3299



82.5273, 0.2324, 0.2707



82.5273, 0.3852, 0.3220



82.5273, 0.3992, 0.3806

Sweetspot

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



82.5305, 0.2444, 0.3299



93.0478, 0.2886, 0.3292



76.8467, 0.3057, 0.5015



19.7490, 0.2856, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

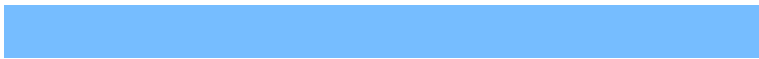
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5305, 0.2444, 0.3299



80.9315, 0.2367, 0.3301



47.4129, 0.2270, 0.2462



20.4792, 0.2981, 0.3291



41.0844, 0.2252, 0.3309



4.0009, 0.2252, 0.3306

Inverse Universe

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



35.5857, 0.4715, 0.3285



29.6690, 0.5208, 0.3286



56.9707, 0.4297, 0.3967



17.9892, 0.3293, 0.3289



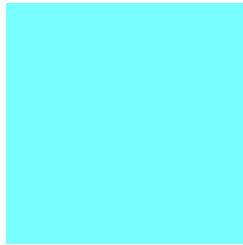
11.1117, 0.6394, 0.3296



1.0826, 0.6376, 0.3286

Previews

White Background



This preview shows how the Yxy color 82.5273, 0.2444, 0.3299 looks on a white background.

Color Contrast Check

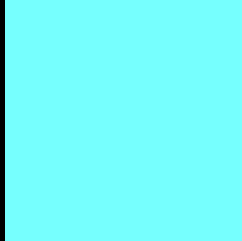
Large Text (above 18pt) WCAG AA × Fail

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 82.5273, 0.2444, 0.3299 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 82.5273, 0.2444, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 82.5273, 0.2444, 0.3299.

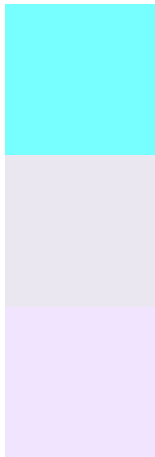


This preview shows how white text looks on a background with the Yxy color 82.5273, 0.2444, 0.3299.

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

82.5273, 0.2444, 0.3299

Protanopia

81.1053, 0.3098, 0.3198

Deuteranopia

81.4076, 0.3046, 0.3021



Tritanopia

81.6355, 0.2713, 0.3159

Trichromacy



Original Color

82.5273, 0.2444, 0.3299



Protanomaly

80.2502, 0.2807, 0.3235



Deuteranomaly

80.1048, 0.2769, 0.3107



Tritanomaly

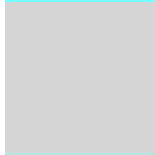
81.3186, 0.2597, 0.3200

Monochromacy



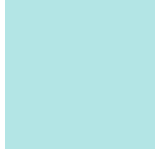
Original Color

82.5273, 0.2444, 0.3299



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2795, 0.2803, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5273, 0.2444, 0.3299 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(118, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 254)  
}
```

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(118, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 82.5273, 0.2444, 0.3299 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(118, 255, 254) }
```

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

```
.border{ border-color:rgb(118, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5273, 0.2444, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 254) }
```

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

```
.background{ background-color: rgb(118,  
255, 254) }
```

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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