

Converting Colors

$Yxy(84.4778, 0.2549, 0.3322)$

Have a look what the booklet for
Yxy(84.4778, 0.2549, 0.3322)
contains.

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Color

Yxy(84.4776, 0.2550, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	90FFFC
RGB	144, 255, 252
RGB Percent	56%, 100%, 99%
CMY	0.4348, 0.0000, 0.0118
CMYK	0.43, 0.00, 0.01, 0.00
HSL	178°, 100%, 78%
HSV	178°, 43%, 100%
XYZ	64.8458, 84.4776, 104.9740
YIQ	221.4690, -65.1930, -24.4650

Conversions

Conversions Part 2

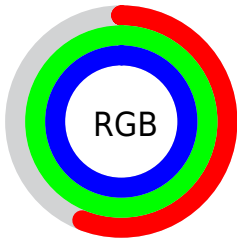
Format	Color
RYB	144, 200, 255
Decimal	9502716
CIELab	93.66, -32.49, -8.51
CIElCh	94, 33.591, 194.680
Yxy	84.4776, 0.2550, 0.3322
Android (android.graphics.Color)	4287692796 (0xFF90FFFC)
YUV	221.4690, 15.0518, -67.9403
Hunter-Lab	91.9117, -34.9096, -3.3780

Details

The Yxy color **84.4776, 0.2550, 0.3322** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.3513, 0.4252, 0.3262**, and the grayscale version is **72.6002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **46.2131, 0.2430, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **82.3923, 0.2457, 0.3331**, and if you desaturate by 10%, it is **87.0883, 0.2661, 0.3314**.

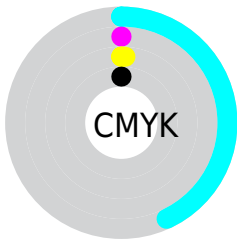
Distribution



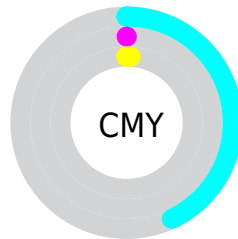
- Red (56%)
- Green (100%)
- Blue (99%)



- Red (56%)
- Yellow (78%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4776, 0.2550, 0.3322 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 84.4776, 0.2550, 0.3322 by changing the saturation by 10% instead.


 84.4776, 0.2550,
0.3322


 84.4776, 0.2550,
0.3322


509.8979, 0.2805,
0.3313

 63.4098, 0.2494,
0.3323

 139.6431, 0.2636,
0.3320

 46.1728, 0.2427,
0.3323


 174.5096, 0.2671,
0.3319

 32.3822, 0.2344,
0.3323


214.7444, 0.2700,
0.3318

 21.6536, 0.2239,
0.3321

260.7320, 0.2727,
0.3317

 13.6026, 0.2101,
0.3316

312.8568, 0.2750,
0.3316

 7.8448, 0.1916,
0.3304


371.5031, 0.2770,


 3.9958, 0.1654,


0.3315

437.0553, 0.2789,
0.3314


0.3275


 1.6712, 0.1237,
0.3212

 0.4049, 0.0000,
0.2807


 84.4776, 0.2550,
0.3322

 84.4776, 0.2550,
0.3322

 82.3923, 0.2457,
0.3331


 87.0883, 0.2661,
0.3314

 80.7872, 0.2382,
0.3339

 90.2464, 0.2787,
0.3306

 79.6257, 0.2328,
0.3348

 93.9848, 0.2926,
0.3299

 78.8620, 0.2292,
0.3357

 98.3308, 0.3074,
0.3292

■ 78.4398, 0.2275,
0.3366

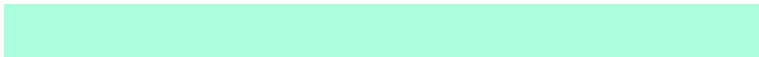
99.9931, 0.3127,
0.3290

■ 78.2961, 0.2270,
0.3372

Harmonies

Analogous

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



84.4776, 0.2834, 0.3689



84.4776, 0.2550, 0.3322



84.4776, 0.2419, 0.2973

Triad

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



84.4776, 0.2550, 0.3322



84.4776, 0.3009, 0.2735



84.4776, 0.3829, 0.3810

Complementary

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



84.4776, 0.2550, 0.3322



43.3513, 0.4252, 0.3262

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.



84.4776, 0.3892, 0.3532



84.4776, 0.2550, 0.3322



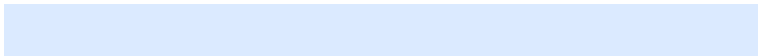
84.4776, 0.3402, 0.2933

Square

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



84.4776, 0.2550, 0.3322



84.4776, 0.2670, 0.2663



84.4776, 0.3733, 0.3217



84.4776, 0.3574, 0.3971

Rectangle

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



84.4776, 0.2550, 0.3322



84.4776, 0.2428, 0.2802



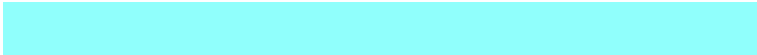
84.4776, 0.3733, 0.3217



84.4776, 0.3874, 0.3726

Sweetspot

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



84.4809, 0.2550, 0.3322



94.1883, 0.2933, 0.3298



79.8092, 0.3083, 0.4645



19.9712, 0.2901, 0.3300



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

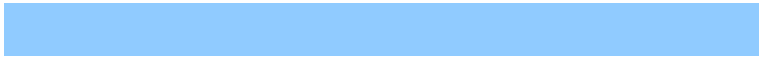
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4809, 0.2550, 0.3322



82.6780, 0.2469, 0.3329



55.9897, 0.2431, 0.2670



20.4725, 0.2984, 0.3296



40.9192, 0.2270, 0.3370



3.9867, 0.2267, 0.3360

Inverse Universe

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



43.3513, 0.4252, 0.3262



36.7835, 0.4607, 0.3258



62.6916, 0.4030, 0.3829



17.9950, 0.3290, 0.3284



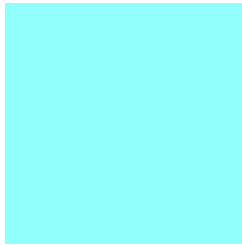
11.1201, 0.6373, 0.3285



1.0854, 0.6308, 0.3249

Previews

White Background



This preview shows how the Yxy color 84.4776, 0.2550, 0.3322 looks on a white background.

Color Contrast Check

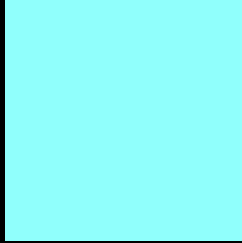
Large Text (above 18pt) WCAG AA × Fail

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 84.4776, 0.2550, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

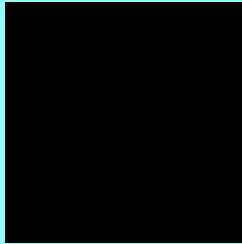
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4776, 0.2550, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 84.4776, 0.2550, 0.3322.

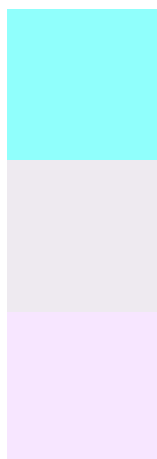


This preview shows how white text looks on a background with the Yxy color 84.4776, 0.2550, 0.3322.

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

84.4776, 0.2550, 0.3322

Protanopia

83.3141, 0.3117, 0.3229

Deuteranopia

83.5878, 0.3085, 0.3044



Tritanopia

83.9271, 0.2786, 0.3173

Trichromacy



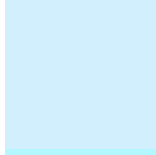
Original Color

84.4776, 0.2550, 0.3322



Protanomaly

82.8733, 0.2878, 0.3268



Deuteranomaly

82.5904, 0.2857, 0.3132



Tritanomaly

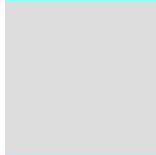
83.7555, 0.2687, 0.3224

Monochromacy



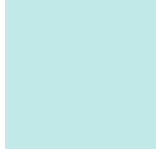
Original Color

84.4776, 0.2550, 0.3322



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4415, 0.2874, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4776, 0.2550, 0.3322 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(144, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 252)  
}
```

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(144, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 252) }
```

Border

The CSS property to change the border of an element to Yxy 84.4776, 0.2550, 0.3322 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(144, 255, 252) }
```

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

```
.border{ border-color:rgb(144, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4776, 0.2550, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 252) }
```

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

```
.background{ background-color: rgb(144,  
255, 252) }
```

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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