

# Converting Colors

$Y_{xy}(78.7508, 0.2544, 0.3300)$

Have a look what the booklet for  
Yxy(78.7508, 0.2544, 0.3300)  
contains.

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# Color

**Yxy(78.7508, 0.2544, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CF7F6
RGB	140, 247, 246
RGB Percent	55%, 97%, 96%
CMY	0.4509, 0.0314, 0.0353
CMYK	0.43, 0.00, 0.00, 0.03
HSL	179°, 87%, 76%
HSV	179°, 43%, 97%
XYZ	60.7097, 78.7508, 99.1783
YIQ	214.8930, -63.4510, -22.9950

# Conversions

## Conversions Part 2

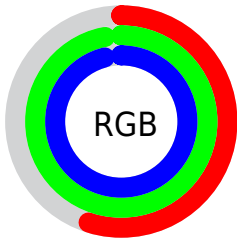
Format	Color
<a href="#">RYB</a>	<a href="#">140, 194, 247</a>
Decimal	<a href="#">9238518</a>
CIELab	<a href="#">91.12, -31.13, -9.18</a>
CIElCh	<a href="#">91, 32.453, 196.432</a>
Yxy	<a href="#">78.7508, 0.2544, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4287428598</a> ( <a href="#">0xFF8CF7F6</a> )
YUV	<a href="#">214.8930, 15.3358, -65.6812</a>
Hunter-Lab	<a href="#">88.7416, -33.1829, -4.1438</a>

# Details

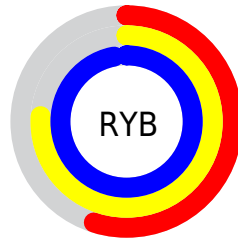
The Yxy color **78.7508, 0.2544, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.4585, 0.4263, 0.3282**, and the grayscale version is **67.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **42.2501, 0.2414, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **76.8290, 0.2449, 0.3303**, and if you desaturate by 10%, it is **81.1603, 0.2657, 0.3297**.

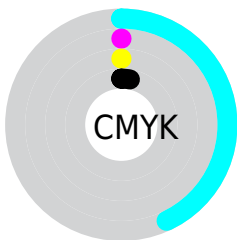
# Distribution



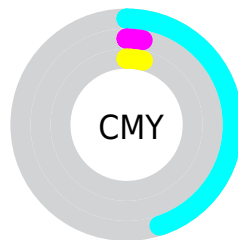
- Red (55%)
- Green (97%)
- Blue (96%)



- Red (55%)
- Yellow (76%)
- Blue (97%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (45%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7508, 0.2544, 0.3300 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 78.7508, 0.2544, 0.3300 by changing the saturation by 10% instead.




 78.7508, 0.2544,  
0.3300


 78.7508, 0.2544,  
0.3300

490.7129, 0.2805,  
0.3301

 58.6909, 0.2486,  
0.3298

 131.6080, 0.2633,  
0.3301

 42.3644, 0.2416,  
0.3296


 165.1741, 0.2668,  
0.3302

 29.3867, 0.2329,  
0.3292


204.0111, 0.2698,  
0.3302

 19.3736, 0.2219,  
0.3285

248.5033, 0.2725,  
0.3302

 11.9405, 0.2073,  
0.3272

299.0352, 0.2749,  
0.3302

 6.7032, 0.1875,  
0.3249

355.9912, 0.2770,

 3.2772, 0.1590,

0.3302

419.7556, 0.2788,  
0.3301

0.3201

1.2781, 0.1008,  
0.3139

0.1241, 0.0000,  
0.1378

78.7508, 0.2544,  
0.3300

78.7508, 0.2544,  
0.3300

76.8290, 0.2449,  
0.3303

81.1603, 0.2657,  
0.3297

75.3530, 0.2373,  
0.3306


84.0779, 0.2785,  
0.3295

74.2894, 0.2317,  
0.3309


87.5339, 0.2925,  
0.3293

73.5956, 0.2280,  
0.3312


91.5535, 0.3076,  
0.3291


 73.2203, 0.2261,  
0.3315


 94.5097, 0.3178,  
0.3289

 73.0960, 0.2255,  
0.3317

 94.5242, 0.3176,  
0.3286

 94.5388, 0.3175,  
0.3284

 94.5533, 0.3173,  
0.3282

 94.5679, 0.3172,  
0.3280

# Harmonies

## Analogous

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



78.7508, 0.2817, 0.3665



78.7508, 0.2544, 0.3300



78.7508, 0.2424, 0.2960

# Triad

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



78.7508, 0.2544, 0.3300



78.7508, 0.3033, 0.2749



78.7508, 0.3812, 0.3818

# Complementary

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



78.7508, 0.2544, 0.3300



40.4585, 0.4263, 0.3282

# 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.



78.7508, 0.3886, 0.3547



78.7508, 0.2544, 0.3300



78.7508, 0.3421, 0.2952

# Square

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



78.7508, 0.2544, 0.3300



78.7508, 0.2692, 0.2670



78.7508, 0.3741, 0.3236



78.7508, 0.3550, 0.3967

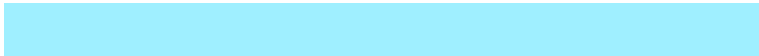


# Rectangle

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



78.7508, 0.2544, 0.3300



78.7508, 0.2440, 0.2796



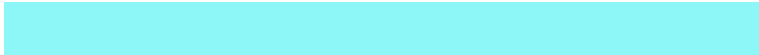
78.7508, 0.3741, 0.3236



78.7508, 0.3860, 0.3737

# Sweetspot

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



78.7539, 0.2544, 0.3300



94.2256, 0.2930, 0.3293



74.1508, 0.3074, 0.4640



19.9805, 0.2897, 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.



78.7539, 0.2544, 0.3300



82.8259, 0.2460, 0.3302



51.4531, 0.2431, 0.2651



18.7550, 0.2982, 0.3292



38.6577, 0.2255, 0.3316



3.3985, 0.2254, 0.3312



# Inverse Universe

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



40.4585, 0.4263, 0.3282



36.7242, 0.4635, 0.3282



59.2474, 0.4015, 0.3844



16.4851, 0.3292, 0.3288



10.4618, 0.6391, 0.3294

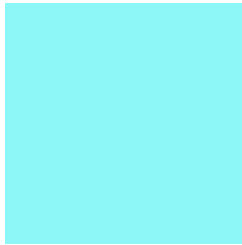


0.9204, 0.6365, 0.3280



# Previews

## White Background



This preview shows how the Yxy color 78.7508, 0.2544, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

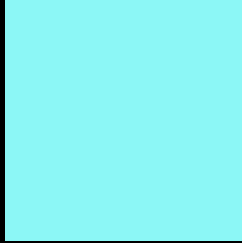
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7508, 0.2544, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

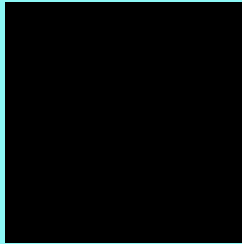
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.7508, 0.2544, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7508, 0.2544, 0.3300.

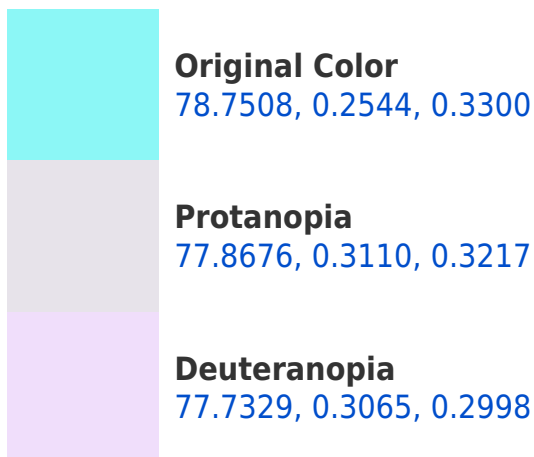


This preview shows how white text looks on a background with the Yxy color 78.7508, 0.2544, 0.3300.

# 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





## Tritanopia

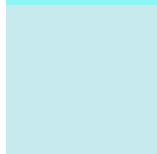
78.3108, 0.2641, 0.3123

# Trichromacy



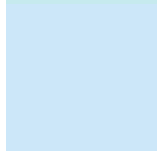
## Original Color

78.7508, 0.2544, 0.3300



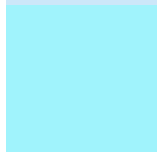
## Protanomaly

77.0245, 0.2871, 0.3245



## Deuteranomaly

76.8288, 0.2844, 0.3096



## Tritanomaly

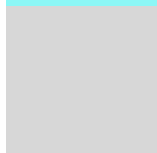
78.6030, 0.2600, 0.3187

# Monochromacy



## Original Color

78.7508, 0.2544, 0.3300



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

71.1205, 0.2874, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7508, 0.2544, 0.3300 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(140, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(140, 247, 246)  
}
```

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(140, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 247, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7508, 0.2544, 0.3300 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(140, 247, 246) }
```

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

```
.border{ border-color:rgb(140, 247, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 247, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(140, 247,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7508, 0.2544, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 247, 246) }
```

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

```
.background{ background-color: rgb(140,  
247, 246) }
```

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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