

Converting Colors

$Yxy(78.0446, 0.2367, 0.3575)$

Have a look what the booklet for
Yxy(78.0446, 0.2367, 0.3575)
contains.

Yxy(78.0500, 0.2367, 0.3573)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.0500, 0.2367, 0.3573)

Conversions

Conversions Part 1

Format	Color
Hex	33FFE8
RGB	51, 255, 232
RGB Percent	20%, 100%, 91%
CMY	0.7984, 0.0000, 0.0902
CMYK	0.80, 0.00, 0.09, 0.00
HSL	173°, 100%, 60%
HSV	173°, 80%, 100%
XYZ	51.7057, 78.0500, 88.6882
YIQ	191.3820, -114.2010, -50.4010

Conversions

Conversions Part 2

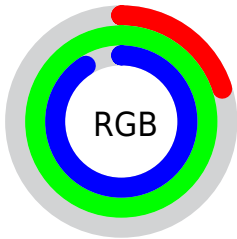
Format	Color
R_{YB}	51, 159, 255
Decimal	3407848
CIE _{Lab}	90.80, -52.19, -2.64
CIE _{LCh}	91, 52.257, 182.894
Yxy	78.0500, 0.2367, 0.3573
Android (android.graphics.Color)	4281597928 (0xFF33FFE8)
YUV	191.3820, 20.0247, -123.1150
Hunter-Lab	88.3459, -50.1357, 2.3224

Details

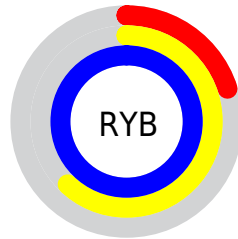
The Yxy color **78.0500, 0.2367, 0.3573** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.1595, 0.5692, 0.3148**, and the grayscale version is **52.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **43.0671, 0.2340, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **77.3949, 0.2350, 0.3612**, and if you desaturate by 10%, it is **79.0772, 0.2403, 0.3533**.

Distribution



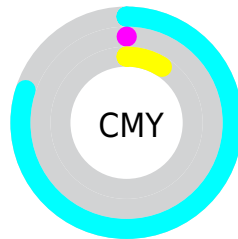
- Red (20%)
- Green (100%)
- Blue (91%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0500, 0.2367, 0.3573 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 78.0500, 0.2367, 0.3573 by changing the saturation by 10% instead.


 78.0500, 0.2367,
0.3573


 78.0500, 0.2367,
0.3573


488.3366, 0.2709,
0.3448


 58.1151, 0.2292,
0.3600

 130.6206, 0.2484,
0.3531


 41.9012, 0.2200,
0.3632


 164.0251, 0.2529,
0.3514

 29.0239, 0.2086,
0.3672

 202.6881, 0.2569,
0.3500

 19.0989, 0.1941,
0.3722

 246.9942, 0.2604,
0.3487

 11.7418, 0.1752,
0.3785

297.3277, 0.2635,
0.3476

 6.5681, 0.1497,
0.3866


354.0730, 0.2662,


 3.1935, 0.1141,


0.3465


0.3972


417.6145, 0.2687,
0.3456

 1.2336, 0.0000,
0.4374


 0.0889, 0.0000,
0.2401


 78.0500, 0.2367,
0.3573


 78.0500, 0.2367,
0.3573


 77.3949, 0.2350,
0.3612


 79.0772, 0.2403,
0.3533


 77.0196, 0.2348,
0.3651

 80.5192, 0.2459,
0.3494

 77.0146, 0.2348,
0.3652

 82.4225, 0.2535,
0.3455

 84.8251, 0.2628,
0.3418

 87.7610, 0.2737,
0.3382

 91.2613, 0.2859,
0.3349

 95.3546, 0.2991,
0.3318

99.9922, 0.3127,
0.3290

Harmonies

Analogous

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



78.0500, 0.2866, 0.4151



78.0500, 0.2367, 0.3573



78.0500, 0.2084, 0.2961

Triad

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



78.0500, 0.2367, 0.3573



78.0500, 0.2705, 0.2378



78.0500, 0.4319, 0.3906

Complementary

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



78.0500, 0.2367, 0.3573



24.1595, 0.5692, 0.3148

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.



78.0500, 0.4295, 0.3439



78.0500, 0.2367, 0.3573



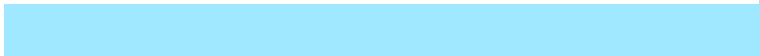
78.0500, 0.3307, 0.2606

Square

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



78.0500, 0.2367, 0.3573



78.0500, 0.2265, 0.2343



78.0500, 0.3911, 0.2981



78.0500, 0.4001, 0.4283

Rectangle

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



78.0500, 0.2367, 0.3573



78.0500, 0.2034, 0.2648



78.0500, 0.3911, 0.2981



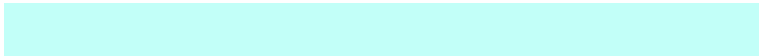
78.0500, 0.4353, 0.3754

Sweetspot

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



78.0530, 0.2367, 0.3573



89.7459, 0.2807, 0.3362



73.2566, 0.3074, 0.5733



18.9466, 0.2764, 0.3374



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.



78.0530, 0.2367, 0.3573



77.1523, 0.2347, 0.3636



39.3555, 0.2010, 0.2251



20.4441, 0.2995, 0.3317



40.2603, 0.2346, 0.3646



3.9296, 0.2334, 0.3601

Inverse Universe

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



24.1595, 0.5692, 0.3148



21.6203, 0.6213, 0.3221



37.3167, 0.5246, 0.3935



18.0204, 0.3277, 0.3263



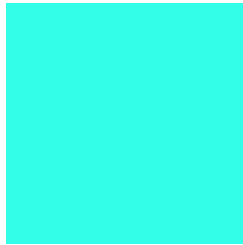
11.1652, 0.6268, 0.3226



1.0974, 0.6037, 0.3099

Previews

White Background



This preview shows how the Yxy color 78.0500, 0.2367, 0.3573 looks on a white background.

Color Contrast Check

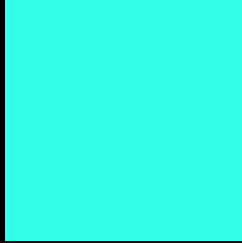
Large Text (above 18pt) WCAG AA × Fail

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 78.0500, 0.2367, 0.3573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

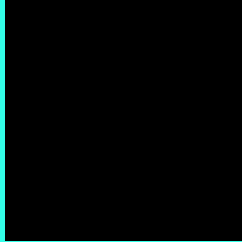
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

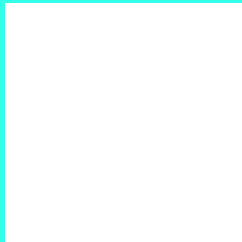
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0500, 0.2367, 0.3573

Background



This preview shows how black text looks on a background with the Yxy color 78.0500, 0.2367, 0.3573.

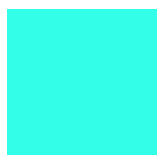


This preview shows how white text looks on a background with the Yxy color 78.0500, 0.2367, 0.3573.

Color Blindness Simulation

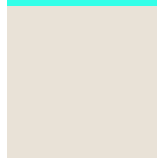
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.0500, 0.2367, 0.3573



Protanopia

76.6226, 0.3249, 0.3407



Deuteranopia

76.5324, 0.3158, 0.3087



Tritanopia

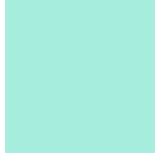
77.0006, 0.2554, 0.3130

Trichromacy



Original Color

78.0500, 0.2367, 0.3573



Protanomaly

74.0043, 0.2785, 0.3477



Deuteranomaly

73.2765, 0.2729, 0.3243



Tritanomaly

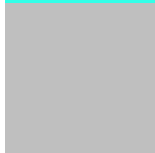
76.4088, 0.2447, 0.3276

Monochromacy



Original Color

78.0500, 0.2367, 0.3573



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.1248, 0.2685, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0500, 0.2367, 0.3573 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(51, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 232)  
}
```

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(51, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 78.0500, 0.2367, 0.3573 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(51, 255, 232) }
```

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

```
.border{ border-color:rgb(51, 255, 232) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0500, 0.2367, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 232) }
```

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

```
.background{ background-color: rgb(51, 255,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor