

Converting Colors

$Y_{xy}(72.5979, 0.2351, 0.3526)$

Have a look what the booklet for
Yxy(72.5979, 0.2351, 0.3526)
contains.

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Color

Yxy(72.7513, 0.2352, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	30F7E4
RGB	48, 247, 228
RGB Percent	19%, 97%, 89%
CMY	0.8125, 0.0313, 0.1060
CMYK	0.81, 0.00, 0.08, 0.03
HSL	174°, 93%, 58%
HSV	174°, 81%, 97%
XYZ	48.4734, 72.7513, 84.8696
YIQ	185.3330, -112.5050, -48.0970

Conversions

Conversions Part 2

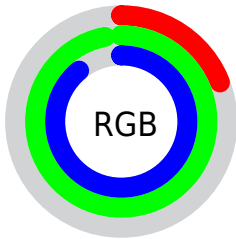
Format	Color
R _{YB}	48, 152, 247
Decimal	3209188
CIE _{Lab}	88.33, -50.22, -4.18
CIE _{LCh}	88, 50.391, 184.762
Y _{xy}	72.7513, 0.2352, 0.3530
Android (android.graphics.Color)	4281399268 (0xFF30F7E4)
YUV	185.3330, 21.0348, -120.4410
Hunter-Lab	85.2944, -47.8224, 0.7113

Details

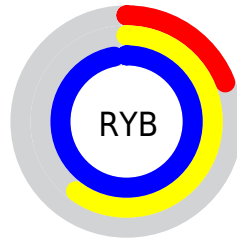
The Yxy color **72.7513, 0.2352, 0.3530** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.2781, 0.5762, 0.3176**, and the grayscale version is **48.6074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **39.8440, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **72.1836, 0.2334, 0.3563**, and if you desaturate by 10%, it is **73.6597, 0.2388, 0.3497**.

Distribution



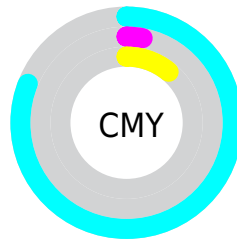
- Red (19%)
- Green (97%)
- Blue (89%)



- Red (19%)
- Yellow (60%)
- Blue (97%)



- Cyan (81%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (81%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7513, 0.2352, 0.3530 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 72.7513, 0.2352, 0.3530 by changing the saturation by 10% instead.


 72.7513, 0.2352,
0.3530

 72.7513, 0.2352,
0.3530


470.1524, 0.2704,
0.3425

 53.7726, 0.2274,
0.3552


 123.1241, 0.2473,
0.3495


 38.4199, 0.2178,
0.3579


 155.2870, 0.2520,
0.3481

 26.3088, 0.2058,
0.3612


 192.6134, 0.2561,
0.3469

 17.0548, 0.1906,
0.3651

 235.4878, 0.2597,
0.3458

 10.2735, 0.1705,
0.3701

284.2945, 0.2629,
0.3448

 5.5807, 0.1432,
0.3762


339.4179, 0.2657,

 2.5918, 0.1040,


0.3440


0.3835


401.2424, 0.2682,
0.3432


 0.9226, 0.0000,
0.4085


 0.0000, 0.0000,
0.0000


 72.7513, 0.2352,
0.3530


 72.7513, 0.2352,
0.3530


 72.1836, 0.2334,
0.3563


 73.6597, 0.2388,
0.3497

 71.8800, 0.2332,
0.3593


 74.9490, 0.2444,
0.3464

 76.6628, 0.2519,
0.3431

 78.8364, 0.2612,
0.3400

 81.5015, 0.2722,
0.3370

 84.6871, 0.2844,
0.3342

 88.4199, 0.2977,
0.3315

 92.7246, 0.3118,
0.3291

 94.6435, 0.3165,
0.3269

Harmonies

Analogous

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



72.7513, 0.2835, 0.4110



72.7513, 0.2352, 0.3530



72.7513, 0.2086, 0.2933

Triad

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



72.7513, 0.2352, 0.3530



72.7513, 0.2744, 0.2397



72.7513, 0.4293, 0.3927

Complementary

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



72.7513, 0.2352, 0.3530



22.2781, 0.5762, 0.3176

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.



72.7513, 0.4292, 0.3468



72.7513, 0.2352, 0.3530



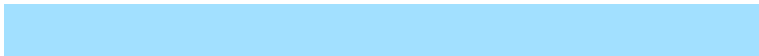
72.7513, 0.3344, 0.2633

Square

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



72.7513, 0.2352, 0.3530



72.7513, 0.2296, 0.2349



72.7513, 0.3933, 0.3012



72.7513, 0.3963, 0.4288

Rectangle

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



72.7513, 0.2352, 0.3530



72.7513, 0.2048, 0.2633



72.7513, 0.3933, 0.3012



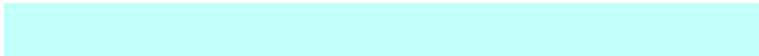
72.7513, 0.4334, 0.3779

Sweetspot

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



72.7541, 0.2352, 0.3530



89.8119, 0.2801, 0.3351



67.9611, 0.3062, 0.5754



18.9627, 0.2758, 0.3361



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.



72.7541, 0.2352, 0.3530



77.3595, 0.2332, 0.3584



35.0988, 0.1991, 0.2193



18.7289, 0.2993, 0.3313



38.0217, 0.2330, 0.3588



3.3495, 0.2319, 0.3547

Inverse Universe

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



22.2781, 0.5762, 0.3176



21.5265, 0.6263, 0.3243



35.2940, 0.5231, 0.3967



16.5082, 0.3279, 0.3268



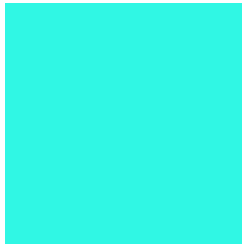
10.5009, 0.6292, 0.3240



0.9314, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 72.7513, 0.2352, 0.3530 looks on a white background.

Color Contrast Check

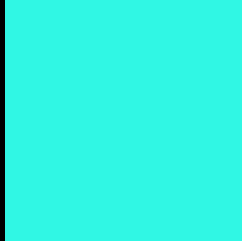
Large Text (above 18pt) WCAG AA × Fail

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 72.7513, 0.2352, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

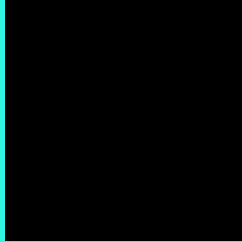
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7513, 0.2352, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 72.7513, 0.2352, 0.3530.

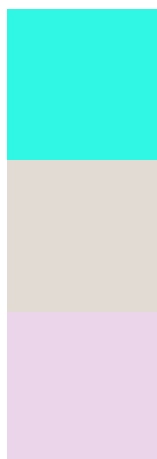


This preview shows how white text looks on a background with the Yxy color 72.7513, 0.2352, 0.3530.

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

72.7513, 0.2352, 0.3530

Protanopia

71.4241, 0.3218, 0.3366

Deuteranopia

71.0791, 0.3131, 0.3060



Tritanopia

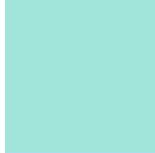
72.1510, 0.2395, 0.3087

Trichromacy



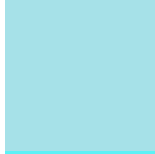
Original Color

72.7513, 0.2352, 0.3530



Protanomaly

68.6776, 0.2759, 0.3422



Deuteranomaly

67.7836, 0.2706, 0.3206



Tritanomaly

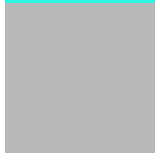
71.7785, 0.2362, 0.3239

Monochromacy



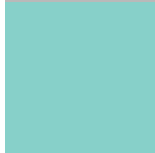
Original Color

72.7513, 0.2352, 0.3530



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.4797, 0.2675, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7513, 0.2352, 0.3530 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(48, 247, 228)` looks like.

```
.text, #text, p{  
    color:rgb(48, 247, 228)  
}
```

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(48, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 247, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.7513, 0.2352, 0.3530 is called "border". The border property can be set on classes, ids or directly on the HTML element.

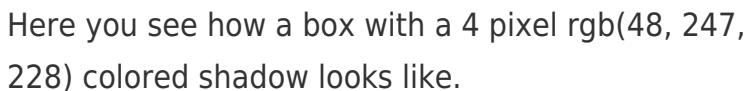
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 247, 228) }
```

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

```
.border{ border-color:rgb(48, 247, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 247, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 247, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 247, 228);  
box-shadow:4px 4px 4px 4px rgb(48, 247,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7513, 0.2352, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 247, 228) }
```

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

```
.background{ background-color: rgb(48, 247,  
228) }
```

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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