

Converting Colors

$Y_{xy}(72.5832, 0.2608, 0.3651)$

Have a look what the booklet for
Yxy(72.5832, 0.2608, 0.3651)
contains.

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Color

Yxy(72.4459, 0.2610, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	7AF2D5
RGB	122, 242, 213
RGB Percent	48%, 95%, 84%
CMY	0.5214, 0.0510, 0.1648
CMYK	0.50, 0.00, 0.12, 0.05
HSL	165°, 82%, 71%
HSV	165°, 50%, 95%
XYZ	51.7896, 72.4459, 74.1921
YIQ	202.8140, -62.2110, -34.4590

Conversions

Conversions Part 2

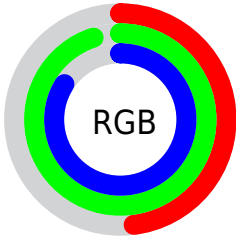
Format	Color
RYB	122, 190, 242
Decimal	8057557
CIELab	88.18, -40.68, 3.63
CIELCh	88, 40.839, 174.897
Yxy	72.4459, 0.2610, 0.3651
Android (android.graphics.Color)	4286247637 (0xFF7AF2D5)
YUV	202.8140, 5.0217, -70.8739
Hunter-Lab	85.1152, -40.3405, 7.8995

Details

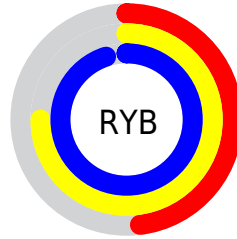
The Yxy color **72.4459, 0.2610, 0.3651** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.0410, 0.4178, 0.2977**, and the grayscale version is **59.6010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **38.0964, 0.2488, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **70.6042, 0.2544, 0.3738**, and if you desaturate by 10%, it is **74.7438, 0.2693, 0.3567**.

Distribution



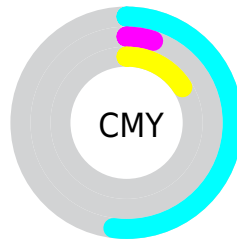
- Red (48%)
- Green (95%)
- Blue (84%)



- Red (48%)
- Yellow (75%)
- Blue (95%)



- Cyan (50%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)




- Cyan (52%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4459, 0.2610, 0.3651 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 72.4459, 0.2610, 0.3651 by changing the saturation by 10% instead.

 72.4459, 0.2610,
0.3651


 72.4459, 0.2610,
0.3651


469.0921, 0.2850,
0.3482


 53.5230, 0.2555,
0.3690


 122.6903, 0.2693,
0.3592

 38.2204, 0.2488,
0.3739


 154.7805, 0.2726,
0.3569

 26.1538, 0.2402,
0.3801


 192.0287, 0.2753,
0.3549

 16.9388, 0.2291,
0.3884

234.8192, 0.2778,
0.3532

 10.1908, 0.2140,
0.3997

283.5364, 0.2799,
0.3517

 5.5257, 0.1924,
0.4162


338.5647, 0.2818,

 2.5589, 0.1595,

0.3504


0.4424

400.2885, 0.2835,
0.3492


 0.9060, 0.0000,
0.5530


 0.0000, 0.0000,
0.0000


 72.4459, 0.2610,
0.3651

 72.4459, 0.2610,
0.3651

 70.6042, 0.2544,
0.3738


 74.7438, 0.2693,
0.3567


 69.1769, 0.2497,
0.3828


 77.5194, 0.2789,
0.3489

 68.1285, 0.2470,
0.3919


 80.8028, 0.2896,
0.3416

 67.4140, 0.2463,
0.4010


 84.6192, 0.3012,
0.3348


 66.9609, 0.2473,
0.4100

 88.9923, 0.3132,
0.3288

 66.9438, 0.2473,
0.4103

 91.5494, 0.3175,
0.3231

 91.9187, 0.3139,
0.3175

 91.9855, 0.3133,
0.3165

Harmonies

Analogous

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



72.4459, 0.3053, 0.4050



72.4459, 0.2610, 0.3651



72.4459, 0.2318, 0.3158

Triad

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



72.4459, 0.2610, 0.3651



72.4459, 0.2677, 0.2516



72.4459, 0.4110, 0.3711

Complementary

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



72.4459, 0.2610, 0.3651



35.0410, 0.4178, 0.2977

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.



72.4459, 0.4004, 0.3321



72.4459, 0.2610, 0.3651



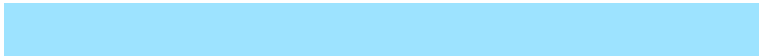
72.4459, 0.3141, 0.2665

Square

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



72.4459, 0.2610, 0.3651



72.4459, 0.2357, 0.2540



72.4459, 0.3638, 0.2951



72.4459, 0.3930, 0.4036

Rectangle

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



72.4459, 0.2610, 0.3651



72.4459, 0.2237, 0.2874



72.4459, 0.3638, 0.2951



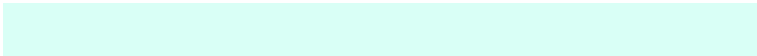
72.4459, 0.4108, 0.3584

Sweetspot

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



72.4488, 0.2610, 0.3651



92.8718, 0.2948, 0.3384



71.5894, 0.3225, 0.4788



19.6882, 0.2924, 0.3399



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.



72.4488, 0.2610, 0.3651



79.5899, 0.2546, 0.3735



57.6429, 0.2406, 0.2913



17.8598, 0.3013, 0.3348



35.9846, 0.2469, 0.4088



3.0090, 0.2436, 0.3970

Inverse Universe

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



35.0410, 0.4178, 0.2977



33.1931, 0.4512, 0.2934



42.7484, 0.4350, 0.3620



15.8215, 0.3255, 0.3233



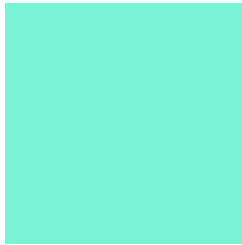
10.3260, 0.5954, 0.3054



0.8742, 0.5587, 0.2851

Previews

White Background



This preview shows how the Yxy color 72.4459, 0.2610, 0.3651 looks on a white background.

Color Contrast Check

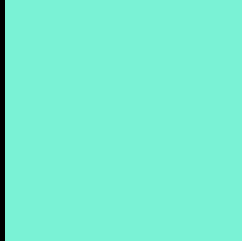
Large Text (above 18pt) WCAG AA × Fail

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 72.4459, 0.2610, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

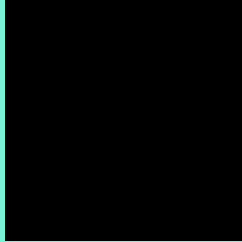
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4459, 0.2610, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 72.4459, 0.2610, 0.3651.

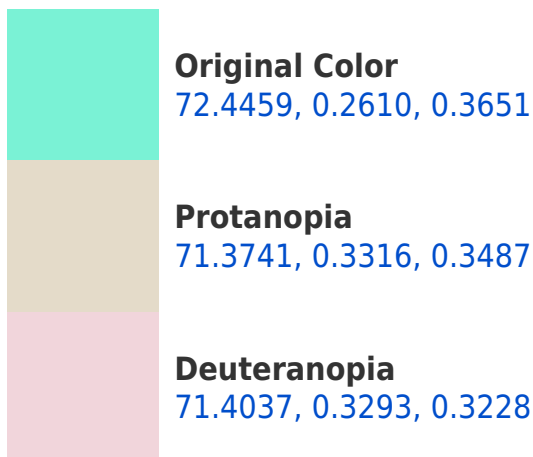


This preview shows how white text looks on a background with the Yxy color 72.4459, 0.2610, 0.3651.

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

72.3618, 0.2460, 0.3067

Trichromacy



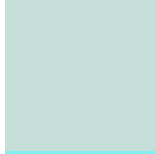
Original Color

72.4459, 0.2610, 0.3651



Protanomaly

70.1648, 0.3007, 0.3547



Deuteranomaly

70.3268, 0.2993, 0.3369



Tritanomaly

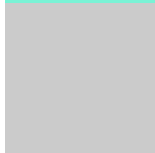
72.1862, 0.2510, 0.3264

Monochromacy



Original Color

72.4459, 0.2610, 0.3651



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.1294, 0.2893, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4459, 0.2610, 0.3651 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(122, 242, 213)` looks like.

```
.text, #text, p{  
    color:rgb(122, 242, 213)  
}
```

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(122, 242, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 242, 213) }
```

Border

The CSS property to change the border of an element to Yxy 72.4459, 0.2610, 0.3651 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(122, 242, 213) }
```

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

```
.border{ border-color:rgb(122, 242, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 242, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 242, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 242, 213);  
box-shadow:4px 4px 4px 4px rgb(122, 242,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4459, 0.2610, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 242, 213) }
```

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

```
.background{ background-color: rgb(122,  
242, 213) }
```

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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