

Converting Colors

$Y_{xy}(72.7861, 0.2605, 0.3300)$

Have a look what the booklet for
Yxy(72.7861, 0.2605, 0.3300)
contains.

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Color

Yxy(72.8275, 0.2604, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	93EDEC
RGB	147, 237, 236
RGB Percent	58%, 93%, 93%
CMY	0.4232, 0.0706, 0.0745
CMYK	0.38, 0.00, 0.00, 0.07
HSL	179°, 71%, 75%
HSV	179°, 38%, 93%
XYZ	57.4675, 72.8275, 90.3944
YIQ	209.9760, -53.3190, -19.3910

Conversions

Conversions Part 2

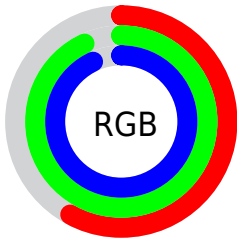
Format	Color
RYB	147, 192, 237
Decimal	9694700
CIELab	88.37, -27.05, -8.03
CIELCh	88, 28.221, 196.532
Yxy	72.8275, 0.2604, 0.3300
Android (android.graphics.Color)	4287884780 (0xFF93EDEC)
YUV	209.9760, 12.8298, -55.2300
Hunter-Lab	85.3390, -29.1410, -3.0649

Details

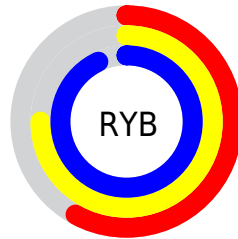
The Yxy color **72.8275, 0.2604, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.0325, 0.4056, 0.3282**, and the grayscale version is **64.3847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **38.5167, 0.2486, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **70.8442, 0.2500, 0.3303**, and if you desaturate by 10%, it is **75.2679, 0.2725, 0.3297**.

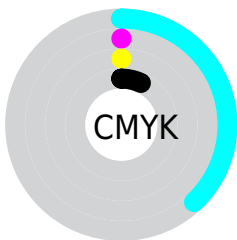
Distribution



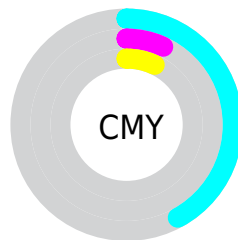
- Red (58%)
- Green (93%)
- Blue (93%)



- Red (58%)
- Yellow (75%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)





- Cyan (42%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8275, 0.2604, 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 72.8275, 0.2604, 0.3300 by changing the saturation by 10% instead.


 72.8275, 0.2604,
0.3300


 72.8275, 0.2604,
0.3300

470.4167, 0.2842,
0.3300

 53.8349, 0.2551,
0.3299

 123.2323, 0.2686,
0.3301

 38.4697, 0.2485,
0.3297


 155.4133, 0.2718,
0.3301

 26.3474, 0.2403,
0.3294


192.7592, 0.2746,
0.3301

 17.0837, 0.2297,
0.3288

235.6545, 0.2770,
0.3301

 10.2942, 0.2156,
0.3277

284.4835, 0.2791,
0.3301

 5.5945, 0.1959,
0.3257

339.6306, 0.2810,

 2.6001, 0.1667,

0.3300

401.4802, 0.2827,
0.3300

0.3212

0.9267, 0.0771,
0.3250

0.0000, 0.0000,
0.0000

72.8275, 0.2604,
0.3300

72.8275, 0.2604,
0.3300

70.8442, 0.2500,
0.3303

75.2679, 0.2725,
0.3297

69.2815, 0.2413,
0.3306

78.1824, 0.2860,
0.3294

68.1113, 0.2347,
0.3310

81.5973, 0.3006,
0.3292

67.2983, 0.2299,
0.3313

85.5348, 0.3159,
0.3290

■ 66.8011, 0.2271,
0.3317

■ 87.9559, 0.3246,
0.3287

■ 66.5626, 0.2258,
0.3320

■ 87.9710, 0.3244,
0.3285

■ 66.5281, 0.2256,
0.3321

■ 87.9862, 0.3243,
0.3282

■ 88.0013, 0.3241,
0.3280

■ 88.0165, 0.3240,
0.3277

Harmonies

Analogous

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



72.8275, 0.2850, 0.3622



72.8275, 0.2604, 0.3300



72.8275, 0.2495, 0.2997

Triad

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



72.8275, 0.2604, 0.3300



72.8275, 0.3045, 0.2804



72.8275, 0.3738, 0.3766

Complementary

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



72.8275, 0.2604, 0.3300



41.0325, 0.4056, 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.



72.8275, 0.3803, 0.3525



72.8275, 0.2604, 0.3300



72.8275, 0.3391, 0.2987

Square

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



72.8275, 0.2604, 0.3300



72.8275, 0.2739, 0.2732



72.8275, 0.3675, 0.3245



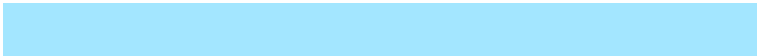
72.8275, 0.3506, 0.3894

Rectangle

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



72.8275, 0.2604, 0.3300



72.8275, 0.2510, 0.2849



72.8275, 0.3675, 0.3245



72.8275, 0.3781, 0.3694

Sweetspot

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



72.8304, 0.2604, 0.3300



95.0431, 0.2959, 0.3293



69.0218, 0.3082, 0.4444



20.2235, 0.2939, 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.



72.8304, 0.2604, 0.3300



84.0358, 0.2517, 0.3303



50.6985, 0.2519, 0.2745



17.1189, 0.2983, 0.3292



36.3260, 0.2256, 0.3320



2.8534, 0.2254, 0.3315

Inverse Universe

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



41.0325, 0.4056, 0.3282



41.2144, 0.4373, 0.3280



57.1703, 0.3877, 0.3774



15.0567, 0.3291, 0.3288



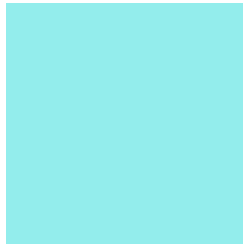
9.8341, 0.6389, 0.3293



0.7732, 0.6357, 0.3275

Previews

White Background



This preview shows how the Yxy color 72.8275, 0.2604, 0.3300 looks on a white background.

Color Contrast Check

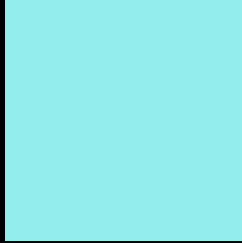
Large Text (above 18pt) WCAG AA × Fail

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 72.8275, 0.2604, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

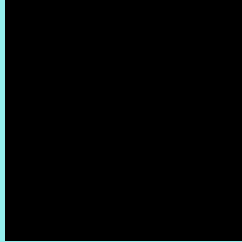
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8275, 0.2604, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 72.8275, 0.2604, 0.3300.

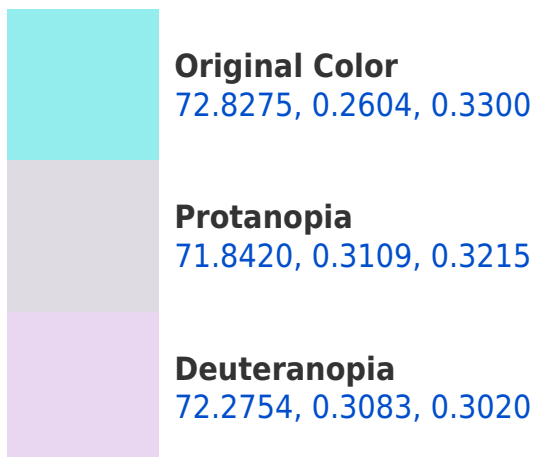


This preview shows how white text looks on a background with the Yxy color 72.8275, 0.2604, 0.3300.

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

72.6129, 0.2541, 0.3070

Trichromacy



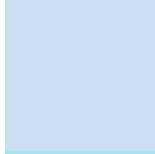
Original Color

72.8275, 0.2604, 0.3300



Protanomaly

71.7080, 0.2895, 0.3244



Deuteranomaly

71.5639, 0.2885, 0.3113



Tritanomaly

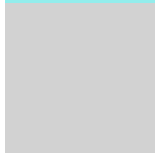
72.6161, 0.2562, 0.3149

Monochromacy



Original Color

72.8275, 0.2604, 0.3300



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.8657, 0.2906, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8275, 0.2604, 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(147, 237, 236)` looks like.

```
.text, #text, p{  
    color:rgb(147, 237, 236)  
}
```

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(147, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 237, 236) }
```

Border

The CSS property to change the border of an element to Yxy 72.8275, 0.2604, 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(147, 237, 236) }
```

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

```
.border{ border-color:rgb(147, 237, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 237, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 237, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 237, 236);  
box-shadow:4px 4px 4px 4px rgb(147, 237,  
236) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.8275, 0.2604, 0.3300$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 237, 236) }
```

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

```
.background{ background-color: rgb(147,  
237, 236) }
```

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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