

Converting Colors

$Y_{xy}(77.2001, 0.2449, 0.3383)$

Have a look what the booklet for
Yxy(77.2001, 0.2449, 0.3383)
contains.

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Color

Yxy(77.2904, 0.2449, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	6CF9F1
RGB	108, 249, 241
RGB Percent	42%, 98%, 95%
CMY	0.5764, 0.0235, 0.0550
CMYK	0.57, 0.00, 0.03, 0.02
HSL	177°, 92%, 70%
HSV	177°, 57%, 98%
XYZ	55.9350, 77.2904, 95.1741
YIQ	205.9290, -81.4680, -32.3800

Conversions

Conversions Part 2

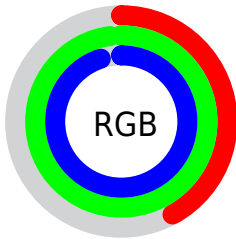
Format	Color
RYB	108, 181, 249
Decimal	7141873
CIELab	90.46, -39.85, -7.68
CIELCh	90, 40.588, 190.913
Yxy	77.2904, 0.2449, 0.3384
Android (android.graphics.Color)	4285331953 (0xFF6CF9F1)
YUV	205.9290, 17.2900, -85.8837
Hunter-Lab	87.9150, -40.2823, -2.6451

Details

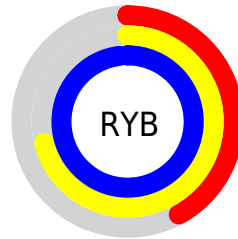
The Yxy color **77.2904, 0.2449, 0.3384** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1294, 0.4761, 0.3215**, and the grayscale version is **61.6022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **41.4217, 0.2300, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **75.8643, 0.2383, 0.3403**, and if you desaturate by 10%, it is **79.1689, 0.2534, 0.3365**.

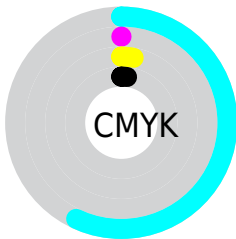
Distribution



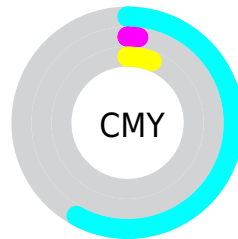
- Red (42%)
- Green (98%)
- Blue (95%)



- Red (42%)
- Yellow (71%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2904, 0.2449, 0.3384 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 77.2904, 0.2449, 0.3384 by changing the saturation by 10% instead.


 77.2904, 0.2449,
0.3384

 77.2904, 0.2449,
0.3384


485.7536, 0.2753,
0.3348


 57.4912, 0.2382,
0.3391


 129.5493, 0.2553,
0.3373

 41.3998, 0.2300,
0.3398


 162.7779, 0.2594,
0.3368

 28.6316, 0.2199,
0.3406

 201.2517, 0.2629,
0.3364

 18.8023, 0.2070,
0.3414

245.3552, 0.2660,
0.3360

 11.5275, 0.1901,
0.3421

295.4727, 0.2688,
0.3356

 6.4228, 0.1672,
0.3423

351.9887, 0.2712,

 3.1039, 0.1347,

0.3353

0.3408

415.2875, 0.2734,
0.3350

■ 1.1862, 0.0377,
0.3516

■ 0.0504, 0.0000,
0.0784

■ 77.2904, 0.2449,
0.3384

■ 77.2904, 0.2449,
0.3384

■ 75.8643, 0.2383,
0.3403

■ 79.1689, 0.2534,
0.3365

■ 74.8424, 0.2336,
0.3422

■ 81.5252, 0.2638,
0.3347


■ 74.1820, 0.2309,
0.3441

■ 84.3935, 0.2756,
0.3330


■ 73.8255, 0.2298,
0.3460

■ 87.8023, 0.2888,
0.3314


 73.7436, 0.2296,
0.3467

 91.7779, 0.3029,
0.3299

 95.8847, 0.3162,
0.3286

 95.9737, 0.3154,
0.3272

 96.0634, 0.3146,
0.3258

 96.1537, 0.3137,
0.3245

Harmonies

Analogous

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



77.2904, 0.2813, 0.3845



77.2904, 0.2449, 0.3384



77.2904, 0.2268, 0.2936

Triad

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



77.2904, 0.2449, 0.3384



77.2904, 0.2918, 0.2593



77.2904, 0.4022, 0.3885

Complementary

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



77.2904, 0.2449, 0.3384



32.1294, 0.4761, 0.3215

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.



77.2904, 0.4071, 0.3527



77.2904, 0.2449, 0.3384



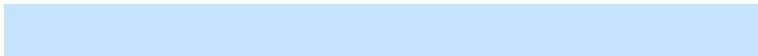
77.2904, 0.3405, 0.2815

Square

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



77.2904, 0.2449, 0.3384



77.2904, 0.2521, 0.2524



77.2904, 0.3840, 0.3147



77.2904, 0.3724, 0.4122

Rectangle

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



77.2904, 0.2449, 0.3384



77.2904, 0.2262, 0.2715



77.2904, 0.3840, 0.3147



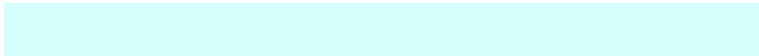
77.2904, 0.4069, 0.3773

Sweetspot

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



77.2934, 0.2449, 0.3384



92.5272, 0.2883, 0.3315



72.6480, 0.3086, 0.5097



19.6406, 0.2855, 0.3318



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.



77.2934, 0.2449, 0.3384



79.8966, 0.2375, 0.3406



45.9553, 0.2248, 0.2504



19.5905, 0.2988, 0.3303



39.4791, 0.2295, 0.3464



3.6615, 0.2289, 0.3441

Inverse Universe

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



32.1294, 0.4761, 0.3215



27.9979, 0.5296, 0.3214



49.6396, 0.4428, 0.3926



17.2412, 0.3285, 0.3277



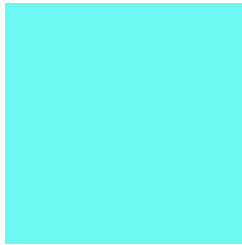
10.8040, 0.6343, 0.3268



1.0061, 0.6203, 0.3191

Previews

White Background



This preview shows how the Yxy color 77.2904, 0.2449, 0.3384 looks on a white background.

Color Contrast Check

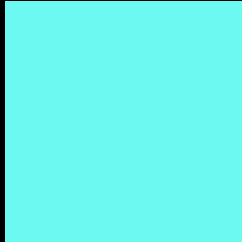
Large Text (above 18pt) WCAG AA × Fail

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 77.2904, 0.2449, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

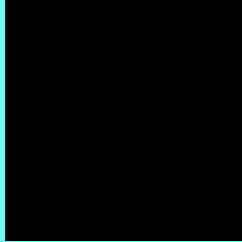
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

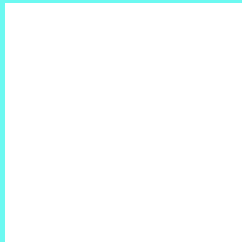
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2904, 0.2449, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 77.2904, 0.2449, 0.3384.

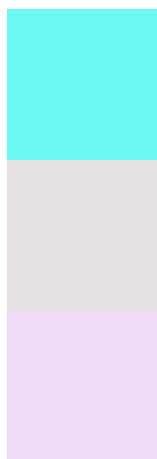


This preview shows how white text looks on a background with the Yxy color 77.2904, 0.2449, 0.3384.

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

77.2904, 0.2449, 0.3384

Protanopia

76.2195, 0.3149, 0.3269

Deuteranopia

76.0789, 0.3077, 0.3015



Tritanopia

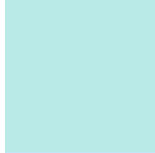
76.7083, 0.2567, 0.3119

Trichromacy



Original Color

77.2904, 0.2449, 0.3384



Protanomaly

75.1109, 0.2832, 0.3312



Deuteranomaly

74.8208, 0.2788, 0.3135



Tritanomaly

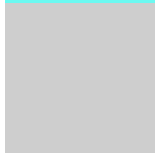
76.4923, 0.2514, 0.3207

Monochromacy



Original Color

77.2904, 0.2449, 0.3384



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.9031, 0.2799, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2904, 0.2449, 0.3384 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(108, 249, 241)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 241)  
}
```

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(108, 249, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 241) }
```

Border

The CSS property to change the border of an element to Yxy 77.2904, 0.2449, 0.3384 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(108, 249, 241) }
```

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

```
.border{ border-color:rgb(108, 249, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 249, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 249, 241);  
box-shadow:4px 4px 4px 4px rgb(108, 249,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2904, 0.2449, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 241) }
```

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

```
.background{ background-color: rgb(108,  
249, 241) }
```

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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