

Converting Colors

$Yxy(76.7436, 0.2428, 0.3276)$

Have a look what the booklet for
Yxy(76.7436, 0.2428, 0.3276)
contains.

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Color

Yxy(76.7436, 0.2428, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	70F7F8
RGB	112, 247, 248
RGB Percent	44%, 97%, 97%
CMY	0.5612, 0.0313, 0.0274
CMYK	0.55, 0.00, 0.00, 0.03
HSL	180°, 91%, 71%
HSV	180°, 55%, 97%
XYZ	56.8783, 76.7436, 100.6381
YIQ	206.7490, -80.7810, -28.3090

Conversions

Conversions Part 2

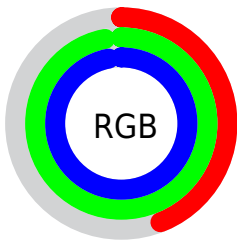
Format	Color
R _Y B	112, 180, 248
Decimal	7403512
CIE Lab	90.20, -36.43, -11.71
CIE LCh	90, 38.263, 197.820
Yxy	76.7436, 0.2428, 0.3276
Android (android.graphics.Color)	4285593592 (0xFF70F7F8)
YUV	206.7490, 20.3367, -83.0949
Hunter-Lab	87.6034, -37.4112, -6.7895

Details

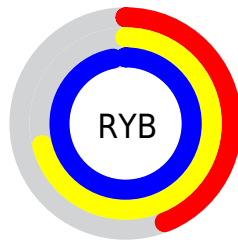
The Yxy color **76.7436, 0.2428, 0.3276** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.9172, 0.4772, 0.3305**, and the grayscale version is **62.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **40.9900, 0.2274, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **75.2271, 0.2354, 0.3273**, and if you desaturate by 10%, it is **78.7139, 0.2521, 0.3279**.

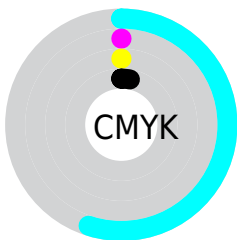
Distribution



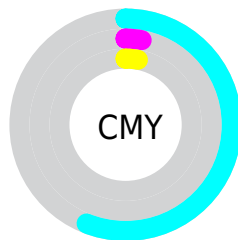
- Red (44%)
- Green (97%)
- Blue (97%)



- Red (44%)
- Yellow (71%)
- Blue (97%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (56%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7436, 0.2428, 0.3276 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 76.7436, 0.2428, 0.3276 by changing the saturation by 10% instead.


 76.7436, 0.2428,
0.3276


 76.7436, 0.2428,
0.3276

483.8894, 0.2741,
0.3291


 57.0425, 0.2359,
0.3271


 128.7775, 0.2534,
0.3283

 41.0393, 0.2276,
0.3263


 161.8790, 0.2576,
0.3285

 28.3498, 0.2173,
0.3252


 200.2161, 0.2613,
0.3287

 18.5895, 0.2042,
0.3236

244.1732, 0.2645,
0.3288

 11.3741, 0.1871,
0.3209

294.1347, 0.2673,
0.3289

 6.3190, 0.1640,
0.3163

350.4850, 0.2698,

 3.0400, 0.1317,

0.3290

413.6084, 0.2721,
0.3290

0.3075

1.1527, 0.0480,
0.3000

0.0225, 0.0000,
0.0260

76.7436, 0.2428,
0.3276

76.7436, 0.2428,
0.3276

75.2271, 0.2354,
0.3273

78.7139, 0.2521,
0.3279

74.1177, 0.2299,
0.3271


81.1627, 0.2633,
0.3281

73.3745, 0.2264,
0.3268


84.1232, 0.2760,
0.3284

72.9433, 0.2245,
0.3266

87.6233, 0.2900,
0.3286

 72.8029, 0.2240,
0.3265

 91.6887, 0.3051,
0.3289

 95.2444, 0.3172,
0.3291

 95.3574, 0.3172,
0.3293

 95.4705, 0.3171,
0.3295

 95.5838, 0.3171,
0.3296

Harmonies

Analogous

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



76.7436, 0.2739, 0.3721



76.7436, 0.2428, 0.3276



76.7436, 0.2299, 0.2877

Triad

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



76.7436, 0.2428, 0.3276



76.7436, 0.3033, 0.2665



76.7436, 0.3928, 0.3921

Complementary

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



76.7436, 0.2428, 0.3276



32.9172, 0.4772, 0.3305

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.



76.7436, 0.4032, 0.3601



76.7436, 0.2428, 0.3276



76.7436, 0.3495, 0.2905

Square

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



76.7436, 0.2428, 0.3276



76.7436, 0.2628, 0.2563



76.7436, 0.3872, 0.3237



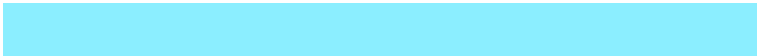
76.7436, 0.3605, 0.4100

Rectangle

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



76.7436, 0.2428, 0.3276



76.7436, 0.2324, 0.2692



76.7436, 0.3872, 0.3237



76.7436, 0.3990, 0.3825

Sweetspot

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



76.7465, 0.2428, 0.3276



92.8737, 0.2884, 0.3286



71.7536, 0.3044, 0.5061



19.7069, 0.2854, 0.3286



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.



76.7465, 0.2428, 0.3276



79.9594, 0.2346, 0.3273



42.8430, 0.2246, 0.2410



19.5852, 0.2980, 0.3288



39.3304, 0.2240, 0.3265



3.6496, 0.2241, 0.3268

Inverse Universe

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



38.2425, 0.3197, 0.1995



35.1679, 0.3209, 0.1806



53.7542, 0.4314, 0.4002



17.5222, 0.3139, 0.3058



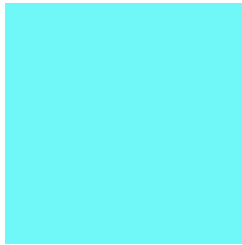
14.3813, 0.3228, 0.1552



1.3327, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 76.7436, 0.2428, 0.3276 looks on a white background.

Color Contrast Check

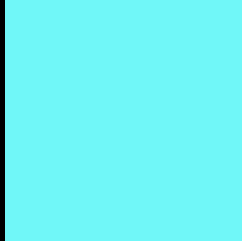
Large Text (above 18pt) WCAG AA × Fail

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 76.7436, 0.2428, 0.3276 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 76.7436, 0.2428, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 76.7436, 0.2428, 0.3276.

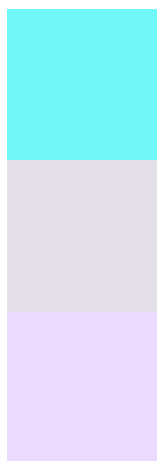


This preview shows how white text looks on a background with the Yxy color 76.7436, 0.2428, 0.3276.

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

76.7436, 0.2428, 0.3276

Protanopia

75.5827, 0.3084, 0.3185

Deuteranopia

75.3112, 0.3006, 0.2934



Tritanopia

76.5087, 0.2557, 0.3119

Trichromacy



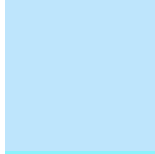
Original Color

76.7436, 0.2428, 0.3276



Protanomaly

74.2595, 0.2786, 0.3211



Deuteranomaly

74.0140, 0.2742, 0.3037



Tritanomaly

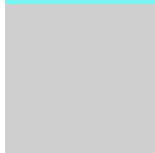
76.6184, 0.2505, 0.3185

Monochromacy



Original Color

76.7436, 0.2428, 0.3276



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.2871, 0.2794, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7436, 0.2428, 0.3276 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(112, 247, 248)` looks like.

```
.text, #text, p{  
    color:rgb(112, 247, 248)  
}
```

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(112, 247, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 247, 248) }
```

Border

The CSS property to change the border of an element to Yxy 76.7436, 0.2428, 0.3276 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(112, 247, 248) }
```

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

```
.border{ border-color:rgb(112, 247, 248) }
```

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

Here you see how a box with a 4 pixel rgb(112, 247, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 247, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 247, 248);  
box-shadow:4px 4px 4px 4px rgb(112, 247,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7436, 0.2428, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 247, 248) }
```

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

```
.background{ background-color: rgb(112,  
247, 248) }
```

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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