

Converting Colors

$Yxy(76.3034, 0.2421, 0.3356)$

Have a look what the booklet for
Yxy(76.3034, 0.2421, 0.3356)
contains.

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Color

Yxy(76.3704, 0.2423, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	66F8F2
RGB	102, 248, 242
RGB Percent	40%, 97%, 95%
CMY	0.6001, 0.0274, 0.0509
CMYK	0.59, 0.00, 0.02, 0.03
HSL	178°, 91%, 69%
HSV	178°, 59%, 97%
XYZ	55.0731, 76.3704, 95.8494
YIQ	203.6620, -85.0900, -32.8180

Conversions

Conversions Part 2

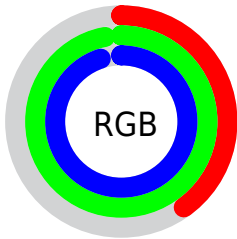
Format	Color
R_{YB}	102, 177, 248
Decimal	6748402
CIE _{Lab}	90.03, -40.19, -8.87
CIE _{LCh}	90, 41.156, 192.441
Yxy	76.3704, 0.2423, 0.3360
Android (android.graphics.Color)	4284938482 (0xFF66F8F2)
YUV	203.6620, 18.9006, -89.1576
Hunter-Lab	87.3902, -40.4425, -3.8561

Details

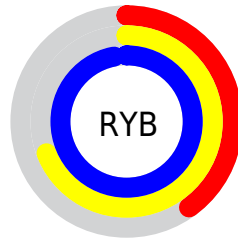
The Yxy color **76.3704, 0.2423, 0.3360** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **30.5395, 0.4893, 0.3237**, and the grayscale version is **60.0772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **40.8068, 0.2269, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **75.0739, 0.2360, 0.3374**, and if you desaturate by 10%, it is **78.1064, 0.2505, 0.3347**.

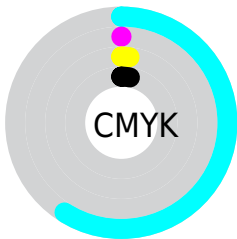
Distribution



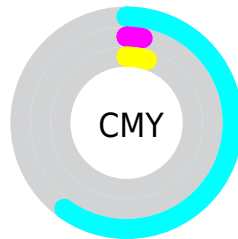
- Red (40%)
- Green (97%)
- Blue (95%)



- Red (40%)
- Yellow (69%)
- Blue (97%)



- Cyan (59%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)




- Cyan (60%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3704, 0.2423, 0.3360 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 76.3704, 0.2423, 0.3360 by changing the saturation by 10% instead.


 76.3704, 0.2423,
0.3360


 76.3704, 0.2423,
0.3360


482.6147, 0.2739,
0.3336

 56.7363, 0.2353,
0.3364


 128.2504, 0.2531,
0.3353

 40.7936, 0.2269,
0.3367

 161.2650, 0.2573,
0.3350

 28.1578, 0.2164,
0.3370


 199.5086, 0.2610,
0.3347

 18.4446, 0.2030,
0.3372

243.3655, 0.2642,
0.3344

 11.2697, 0.1855,
0.3370

293.2202, 0.2671,
0.3342

 6.2485, 0.1618,
0.3358


349.4570, 0.2696,


 2.9968, 0.1285,

0.3340


412.4604, 0.2719,
0.3338


0.3320


 1.1301, 0.0224,
0.3406


 0.0034, 0.0000,
0.0055


 76.3704, 0.2423,
0.3360

 76.3704, 0.2423,
0.3360

 75.0739, 0.2360,
0.3374


 78.1064, 0.2505,
0.3347


 74.1680, 0.2317,
0.3387


 80.3080, 0.2606,
0.3334

 73.6084, 0.2292,
0.3401

 83.0098, 0.2723,
0.3321


 73.3253, 0.2283,
0.3414


 86.2404, 0.2853,
0.3310

 73.3007, 0.2282,
0.3416

 90.0264, 0.2995,
0.3299

 94.3926, 0.3144,
0.3289

 95.2462, 0.3165,
0.3279

 95.3099, 0.3159,
0.3269

 95.3740, 0.3153,
0.3260

Harmonies

Analogous

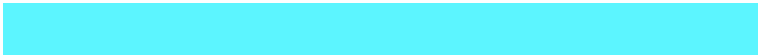
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3704, 0.2784, 0.3835



76.3704, 0.2423, 0.3360



76.3704, 0.2250, 0.2909

Triad

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



76.3704, 0.2423, 0.3360



76.3704, 0.2938, 0.2590



76.3704, 0.4028, 0.3910

Complementary

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



76.3704, 0.2423, 0.3360



30.5395, 0.4893, 0.3237

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.



76.3704, 0.4092, 0.3550



76.3704, 0.2423, 0.3360



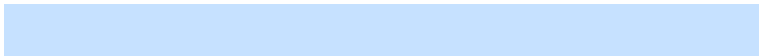
76.3704, 0.3435, 0.2822

Square

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



76.3704, 0.2423, 0.3360



76.3704, 0.2528, 0.2511



76.3704, 0.3871, 0.3163



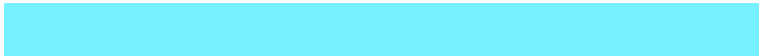
76.3704, 0.3714, 0.4144

Rectangle

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



76.3704, 0.2423, 0.3360



76.3704, 0.2251, 0.2691



76.3704, 0.3871, 0.3163



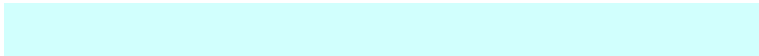
76.3704, 0.4081, 0.3798

Sweetspot

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



76.3733, 0.2423, 0.3360



92.1891, 0.2865, 0.3309



71.3664, 0.3071, 0.5179



19.5017, 0.2825, 0.3312



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.



76.3733, 0.2423, 0.3360



79.7243, 0.2349, 0.3377



43.1788, 0.2209, 0.2433



19.5956, 0.2986, 0.3299



39.6005, 0.2282, 0.3414



3.6714, 0.2277, 0.3397

Inverse Universe

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



30.5395, 0.4893, 0.3237



26.7507, 0.5472, 0.3239



48.8088, 0.4478, 0.3970



17.2368, 0.3288, 0.3281



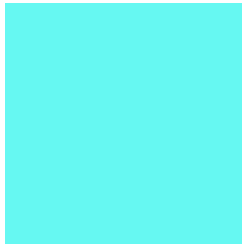
10.7975, 0.6359, 0.3277



1.0040, 0.6257, 0.3220

Previews

White Background



This preview shows how the Yxy color 76.3704, 0.2423, 0.3360 looks on a white background.

Color Contrast Check

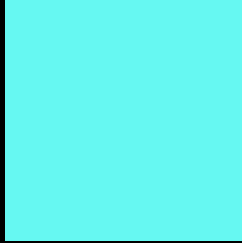
Large Text (above 18pt) WCAG AA × Fail

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 76.3704, 0.2423, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

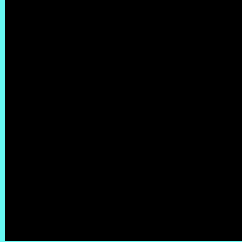
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3704, 0.2423, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 76.3704, 0.2423, 0.3360.

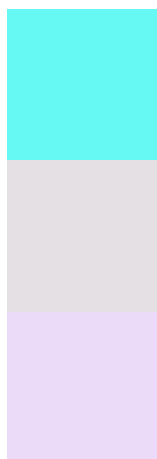


This preview shows how white text looks on a background with the Yxy color 76.3704, 0.2423, 0.3360.

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

76.3704, 0.2423, 0.3360

Protanopia

75.3513, 0.3136, 0.3258

Deuteranopia

75.2732, 0.3057, 0.2994



Tritanopia

76.1195, 0.2539, 0.3118

Trichromacy



Original Color

76.3704, 0.2423, 0.3360



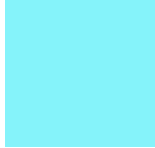
Protanomaly

74.0491, 0.2808, 0.3300



Deuteranomaly

73.8122, 0.2758, 0.3111



Tritanomaly

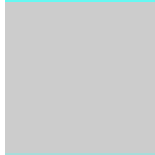
75.9899, 0.2489, 0.3207

Monochromacy



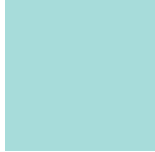
Original Color

76.3704, 0.2423, 0.3360



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.4638, 0.2785, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3704, 0.2423, 0.3360 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(102, 248, 242)` looks like.

```
.text, #text, p{  
    color:rgb(102, 248, 242)  
}
```

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(102, 248, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 248, 242) }
```

Border

The CSS property to change the border of an element to Yxy 76.3704, 0.2423, 0.3360 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(102, 248, 242) }
```

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

```
.border{ border-color:rgb(102, 248, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 248, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 248, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 248, 242);  
box-shadow:4px 4px 4px 4px rgb(102, 248,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3704, 0.2423, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 248, 242) }
```

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

```
.background{ background-color: rgb(102,  
248, 242) }
```

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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