

Converting Colors

$Y_{xy}(100.0000, 0.2490, 0.3701)$

Have a look what the booklet for
Yxy(100.0000, 0.2490, 0.3701)
contains.

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Color

Yxy(80.9405, 0.2422, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	65FFF6
RGB	101, 255, 246
RGB Percent	40%, 100%, 96%
CMY	0.6040, 0.0000, 0.0352
CMYK	0.60, 0.00, 0.04, 0.00
HSL	177°, 100%, 70%
HSV	177°, 60%, 100%
XYZ	57.7601, 80.9405, 99.7805
YIQ	207.9280, -88.8950, -35.4470

Conversions

Conversions Part 2

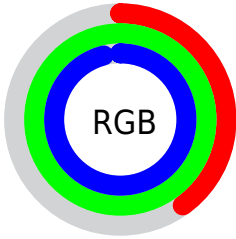
Format	Color
RYB	101, 180, 255
Decimal	6684662
CIELab	92.11, -42.46, -7.88
CIELCh	92, 43.182, 190.508
Yxy	80.9405, 0.2422, 0.3394
Android (android.graphics.Color)	4284874742 (0xFF65FFF6)
YUV	207.9280, 18.7695, -93.7759
Hunter-Lab	89.9669, -42.8424, -2.7805

Details

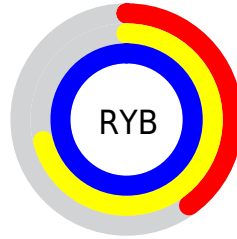
The Yxy color **80.9405, 0.2422, 0.3394** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.6860, 0.4936, 0.3211**, and the grayscale version is **62.9412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **44.1059, 0.2281, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **79.5988, 0.2363, 0.3414**, and if you desaturate by 10%, it is **82.7380, 0.2500, 0.3375**.

Distribution



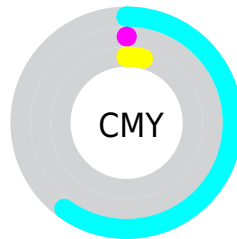
- Red (40%)
- Green (100%)
- Blue (96%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9405, 0.2422, 0.3394 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 80.9405, 0.2422, 0.3394 by changing the saturation by 10% instead.


 80.9405, 0.2422,
0.3394

 80.9405, 0.2422,
0.3394


498.0968, 0.2736,
0.3354


 60.4926, 0.2354,
0.3401


 134.6872, 0.2528,
0.3382

 43.8158, 0.2271,
0.3409


 168.7548, 0.2570,
0.3376

 30.5257, 0.2168,
0.3418


 208.1311, 0.2607,
0.3372

 20.2380, 0.2039,
0.3427

253.2005, 0.2639,
0.3367

 12.5681, 0.1870,
0.3436

304.3474, 0.2667,
0.3364

 7.1319, 0.1644,
0.3440

361.9561, 0.2693,

 3.5447, 0.1329,

0.3360

426.4111, 0.2715,
0.3357

0.3429

1.4223, 0.0580,
0.3475

0.2331, 0.0000,
0.2247

80.9405, 0.2422,
0.3394

80.9405, 0.2422,
0.3394

79.5988, 0.2363,
0.3414

82.7380, 0.2500,
0.3375

78.6710, 0.2324,
0.3433


85.0314, 0.2597,
0.3356

78.1042, 0.2304,
0.3453

87.8545, 0.2710,
0.3338

77.8190, 0.2298,
0.3471

91.2382, 0.2837,
0.3321

 95.2115, 0.2975,
0.3305

99.8011, 0.3121,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



80.9405, 0.2803, 0.3879



80.9405, 0.2422, 0.3394



80.9405, 0.2231, 0.2923

Triad

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



80.9405, 0.2422, 0.3394



80.9405, 0.2901, 0.2561



80.9405, 0.4066, 0.3904

Complementary

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



80.9405, 0.2422, 0.3394



31.6860, 0.4936, 0.3211

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.



80.9405, 0.4115, 0.3529



80.9405, 0.2422, 0.3394



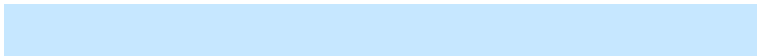
80.9405, 0.3410, 0.2791

Square

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



80.9405, 0.2422, 0.3394



80.9405, 0.2490, 0.2491



80.9405, 0.3869, 0.3134



80.9405, 0.3756, 0.4159

Rectangle

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



80.9405, 0.2422, 0.3394



80.9405, 0.2224, 0.2691



80.9405, 0.3869, 0.3134



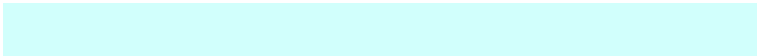
80.9405, 0.4115, 0.3787

Sweetspot

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



80.9398, 0.2422, 0.3394



92.1387, 0.2869, 0.3317



75.8539, 0.3079, 0.5226



19.4891, 0.2830, 0.3322



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.



80.9398, 0.2422, 0.3394



79.4243, 0.2356, 0.3417



46.0596, 0.2195, 0.2439



20.4621, 0.2988, 0.3304



40.6700, 0.2297, 0.3468



3.9652, 0.2291, 0.3446

Inverse Universe

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



31.6860, 0.4936, 0.3211



26.4283, 0.5480, 0.3215



50.0994, 0.4546, 0.3958



18.0042, 0.3285, 0.3277



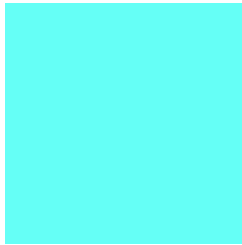
11.1333, 0.6342, 0.3267



1.0898, 0.6206, 0.3192

Previews

White Background



This preview shows how the Yxy color 80.9405, 0.2422, 0.3394 looks on a white background.

Color Contrast Check

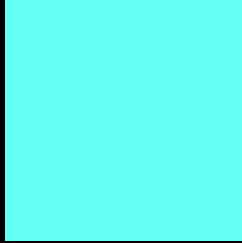
Large Text (above 18pt) WCAG AA × Fail

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 80.9405, 0.2422, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

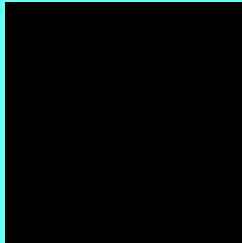
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9405, 0.2422, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 80.9405, 0.2422, 0.3394.

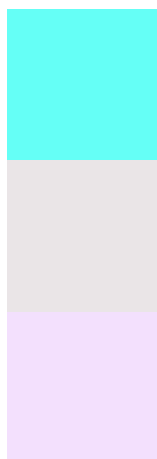


This preview shows how white text looks on a background with the Yxy color 80.9405, 0.2422, 0.3394.

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

80.9405, 0.2422, 0.3394

Protanopia

79.3006, 0.3149, 0.3269

Deuteranopia

79.4578, 0.3072, 0.3001



Tritanopia

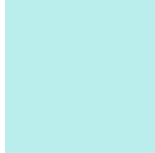
80.4351, 0.2660, 0.3157

Trichromacy



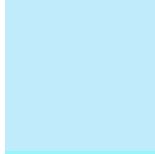
Original Color

80.9405, 0.2422, 0.3394



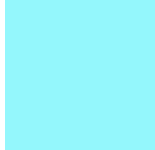
Protanomaly

77.6443, 0.2813, 0.3311



Deuteranomaly

77.3952, 0.2764, 0.3126



Tritanomaly

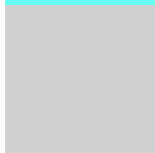
79.8457, 0.2552, 0.3232

Monochromacy



Original Color

80.9405, 0.2422, 0.3394



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.5594, 0.2779, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9405, 0.2422, 0.3394 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(101, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(101, 255, 246)  
}
```

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(101, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.9405, 0.2422, 0.3394 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(101, 255, 246) }
```

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

```
.border{ border-color:rgb(101, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9405, 0.2422, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 246) }
```

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

```
.background{ background-color: rgb(101,  
255, 246) }
```

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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