

Converting Colors

$Y_{xy}(80.3820, 0.2467, 0.3520)$

Have a look what the booklet for
Yxy(80.3820, 0.2467, 0.3520)
contains.

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Color

Yxy(80.4009, 0.2465, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	66FFEC
RGB	102, 255, 236
RGB Percent	40%, 100%, 93%
CMY	0.6005, 0.0000, 0.0745
CMYK	0.60, 0.00, 0.07, 0.00
HSL	173°, 100%, 70%
HSV	173°, 60%, 100%
XYZ	56.3675, 80.4009, 91.9031
YIQ	207.0870, -85.0890, -38.3450

Conversions

Conversions Part 2

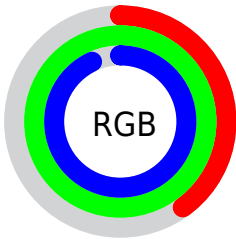
Format	Color
RYB	102, 184, 255
Decimal	6750188
CIELab	91.86, -44.85, -3.04
CIELCh	92, 44.954, 183.875
Yxy	80.4009, 0.2465, 0.3516
Android (android.graphics.Color)	4284940268 (0xFF66FFEC)
YUV	207.0870, 14.2541, -92.1613
Hunter-Lab	89.6665, -44.7051, 1.9977

Details

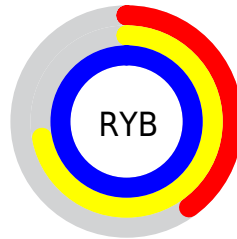
The Yxy color **80.4009, 0.2465, 0.3516** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1132, 0.4790, 0.3113**, and the grayscale version is **62.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **43.6835, 0.2326, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **78.9452, 0.2410, 0.3559**, and if you desaturate by 10%, it is **82.3017, 0.2539, 0.3473**.

Distribution



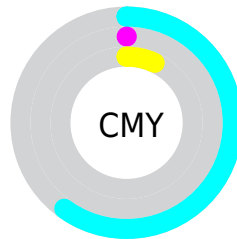
- Red (40%)
- Green (100%)
- Blue (93%)



- Red (40%)
- Yellow (72%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4009, 0.2465, 0.3516 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 80.4009, 0.2465, 0.3516 by changing the saturation by 10% instead.


 80.4009, 0.2465,
0.3516

 80.4009, 0.2465,
0.3516


496.2829, 0.2762,
0.3417


 60.0483, 0.2400,
0.3537


 133.9292, 0.2566,
0.3483

 43.4576, 0.2320,
0.3563


 167.8738, 0.2606,
0.3470

 30.2443, 0.2221,
0.3594


 207.1177, 0.2641,
0.3458

 20.0241, 0.2096,
0.3633

252.0455, 0.2671,
0.3448

 12.4126, 0.1931,
0.3682

303.0415, 0.2698,
0.3439

 7.0253, 0.1707,
0.3747

360.4902, 0.2721,

 3.4779, 0.1389,

0.3431

424.7758, 0.2743,
0.3424

0.3831

1.3860, 0.0458,
0.4133

0.2064, 0.0000,
0.3207

80.4009, 0.2465,
0.3516

80.4009, 0.2465,
0.3516

78.9452, 0.2410,
0.3559

82.3017, 0.2539,
0.3473

77.9150, 0.2375,
0.3603


84.7096, 0.2631,
0.3432

77.2502, 0.2359,
0.3647

87.6507, 0.2739,
0.3392

76.8672, 0.2358,
0.3690

91.1562, 0.2859,
0.3355

 95.2548, 0.2989,
0.3321

99.9731, 0.3126,
0.3290

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.



80.4009, 0.2894, 0.3999



80.4009, 0.2465, 0.3516



80.4009, 0.2220, 0.3003

Triad

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



80.4009, 0.2465, 0.3516



80.4009, 0.2783, 0.2502



80.4009, 0.4143, 0.3847

Complementary

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



80.4009, 0.2465, 0.3516



32.1132, 0.4790, 0.3113

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.



80.4009, 0.4127, 0.3444



80.4009, 0.2465, 0.3516



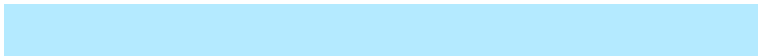
80.4009, 0.3302, 0.2706

Square

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



80.4009, 0.2465, 0.3516



80.4009, 0.2392, 0.2468



80.4009, 0.3809, 0.3040



80.4009, 0.3871, 0.4153

Rectangle

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



80.4009, 0.2465, 0.3516



80.4009, 0.2180, 0.2735



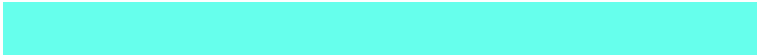
80.4009, 0.3809, 0.3040



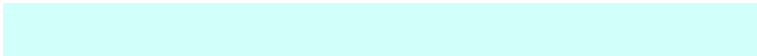
80.4009, 0.4173, 0.3718

Sweetspot

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



80.3929, 0.2465, 0.3516



91.9485, 0.2885, 0.3348



76.6348, 0.3128, 0.5187



19.4420, 0.2848, 0.3358



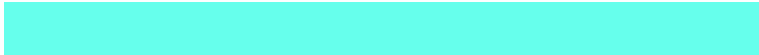
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3929, 0.2465, 0.3516



78.7135, 0.2402, 0.3568



50.8147, 0.2231, 0.2582



20.4404, 0.2997, 0.3320



40.1800, 0.2356, 0.3683



3.9226, 0.2343, 0.3633

Inverse Universe

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



32.1132, 0.4790, 0.3113



26.6289, 0.5324, 0.3113



46.6750, 0.4611, 0.3853



18.0237, 0.3275, 0.3261



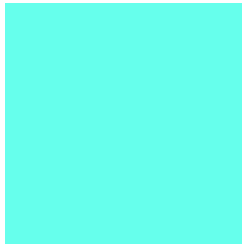
11.1736, 0.6248, 0.3216



1.0990, 0.6004, 0.3081

Previews

White Background



This preview shows how the Yxy color 80.4009, 0.2465, 0.3516 looks on a white background.

Color Contrast Check

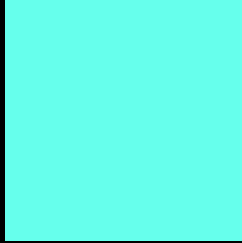
Large Text (above 18pt) WCAG AA × Fail

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 80.4009, 0.2465, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

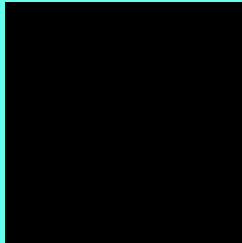
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4009, 0.2465, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 80.4009, 0.2465, 0.3516.

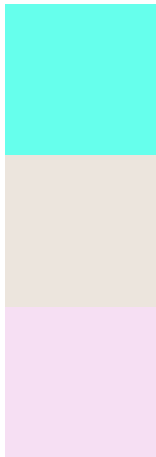


This preview shows how white text looks on a background with the Yxy color 80.4009, 0.2465, 0.3516.

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

80.4009, 0.2465, 0.3516

Protanopia

79.0919, 0.3227, 0.3374

Deuteranopia

78.8392, 0.3157, 0.3090



Tritanopia

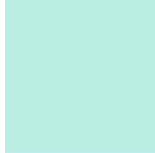
79.6085, 0.2649, 0.3146

Trichromacy



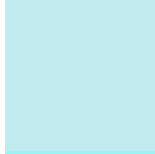
Original Color

80.4009, 0.2465, 0.3516



Protanomaly

77.2049, 0.2874, 0.3425



Deuteranomaly

77.1773, 0.2836, 0.3234



Tritanomaly

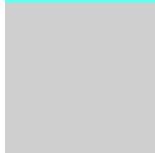
79.5019, 0.2565, 0.3277

Monochromacy



Original Color

80.4009, 0.2465, 0.3516



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.8083, 0.2801, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4009, 0.2465, 0.3516 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, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 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(102, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 80.4009, 0.2465, 0.3516 is called "border". The border property can be set on classes, ids or directly on the HTML element.

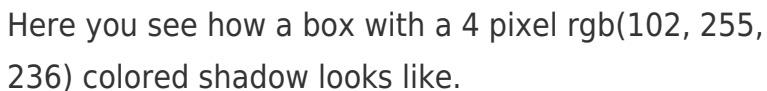
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 255, 236) }
```

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

```
.border{ border-color:rgb(102, 255, 236) }
```

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



Here you see how a box with a 4 pixel rgb(102, 255, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4009, 0.2465, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 236) }
```

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

```
.background{ background-color: rgb(102,  
255, 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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