

Converting Colors

$Yxy(80.8223, 0.2437, 0.3429)$

Have a look what the booklet for
Yxy(80.8223, 0.2437, 0.3429)
contains.

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Color

Yxy(80.8158, 0.2437, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	66FFF3
RGB	102, 255, 243
RGB Percent	40%, 100%, 95%
CMY	0.6000, 0.0000, 0.0470
CMYK	0.60, 0.00, 0.05, 0.00
HSL	175°, 100%, 70%
HSV	175°, 60%, 100%
XYZ	57.4193, 80.8158, 97.3795
YIQ	207.8850, -87.3360, -36.1680

Conversions

Conversions Part 2

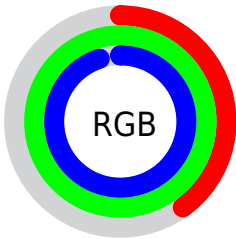
Format	Color
RYB	102, 182, 255
Decimal	6750195
CIELab	92.05, -43.05, -6.40
CIELCh	92, 43.526, 188.456
Yxy	80.8158, 0.2437, 0.3430
Android (android.graphics.Color)	4284940275 (0xFF66FFF3)
YUV	207.8850, 17.3117, -92.8611
Hunter-Lab	89.8976, -43.3095, -1.2962

Details

The Yxy color **80.8158, 0.2437, 0.3430** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.9793, 0.4878, 0.3182**, and the grayscale version is **62.9291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **43.9760, 0.2294, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **79.4296, 0.2379, 0.3457**, and if you desaturate by 10%, it is **82.6647, 0.2515, 0.3404**.

Distribution



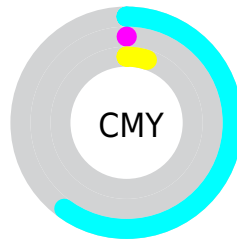
- Red (40%)
- Green (100%)
- Blue (95%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8158, 0.2437, 0.3430 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 80.8158, 0.2437, 0.3430 by changing the saturation by 10% instead.

 80.8158, 0.2437,
0.3430


 80.8158, 0.2437,
0.3430


497.6779, 0.2745,
0.3373

 60.3899, 0.2370,
0.3441


 134.5121, 0.2541,
0.3412

 43.7330, 0.2288,
0.3455


 168.5513, 0.2583,
0.3404

 30.4606, 0.2187,
0.3470


 207.8970, 0.2619,
0.3397

 20.1885, 0.2059,
0.3488

252.9337, 0.2650,
0.3391

 12.5321, 0.1892,
0.3508

304.0458, 0.2678,
0.3386

 7.1072, 0.1667,
0.3529


361.6175, 0.2703,


 3.5292, 0.1352,


0.3381


426.0335, 0.2725,
0.3377


0.3545

 1.4139, 0.0561,
0.3657

 0.2269, 0.0000,
0.2463


 80.8158, 0.2437,
0.3430


 80.8158, 0.2437,
0.3430


 79.4296, 0.2379,
0.3457


 82.6647, 0.2515,
0.3404


 78.4574, 0.2340,
0.3484


 85.0094, 0.2610,
0.3378

 77.8492, 0.2321,
0.3510

 87.8855, 0.2722,
0.3354

 77.5199, 0.2316,
0.3537

 91.3241, 0.2848,
0.3331

 77.5198, 0.2316,
0.3537

 95.3540, 0.2984,
0.3309

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.



80.8158, 0.2831, 0.3913



80.8158, 0.2437, 0.3430



80.8158, 0.2230, 0.2948

Triad

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



80.8158, 0.2437, 0.3430



80.8158, 0.2866, 0.2545



80.8158, 0.4086, 0.3885

Complementary

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



80.8158, 0.2437, 0.3430



31.9793, 0.4878, 0.3182

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.



80.8158, 0.4115, 0.3503



80.8158, 0.2437, 0.3430



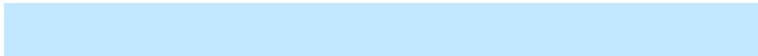
80.8158, 0.3377, 0.2767

Square

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



80.8158, 0.2437, 0.3430



80.8158, 0.2462, 0.2486



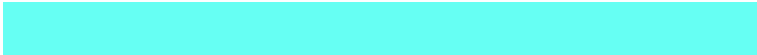
80.8158, 0.3849, 0.3106



80.8158, 0.3789, 0.4155

Rectangle

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



80.8158, 0.2437, 0.3430



80.8158, 0.2213, 0.2706



80.8158, 0.3849, 0.3106



80.8158, 0.4129, 0.3765

Sweetspot

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



80.8175, 0.2437, 0.3430



92.0805, 0.2874, 0.3326



76.1080, 0.3092, 0.5206



19.4747, 0.2836, 0.3333



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

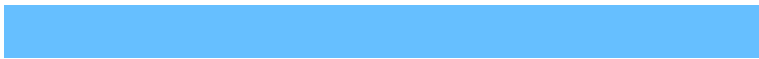
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8175, 0.2437, 0.3430



79.2030, 0.2370, 0.3462



47.4178, 0.2208, 0.2480



20.4555, 0.2991, 0.3308



40.5161, 0.2315, 0.3532



3.9519, 0.2306, 0.3502

Inverse Universe

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



31.9793, 0.4878, 0.3182



26.4859, 0.5434, 0.3185



49.4031, 0.4552, 0.3929



18.0102, 0.3282, 0.3272



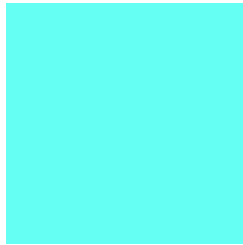
11.1432, 0.6319, 0.3254



1.0926, 0.6143, 0.3157

Previews

White Background



This preview shows how the Yxy color 80.8158, 0.2437, 0.3430 looks on a white background.

Color Contrast Check

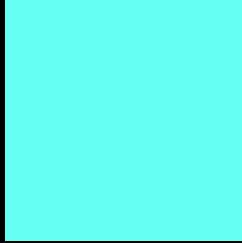
Large Text (above 18pt) WCAG AA × Fail

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 80.8158, 0.2437, 0.3430 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 80.8158, 0.2437, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 80.8158, 0.2437, 0.3430.

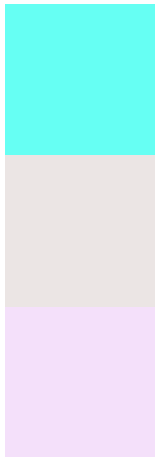


This preview shows how white text looks on a background with the Yxy color 80.8158, 0.2437, 0.3430.

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

80.8158, 0.2437, 0.3430

Protanopia

79.3022, 0.3175, 0.3301

Deuteranopia

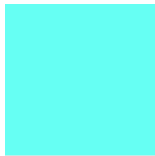
79.4465, 0.3098, 0.3030



Tritanopia

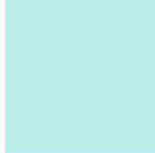
80.3199, 0.2655, 0.3157

Trichromacy



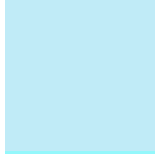
Original Color

80.8158, 0.2437, 0.3430



Protanomaly

77.5971, 0.2835, 0.3345



Deuteranomaly

77.3385, 0.2786, 0.3158



Tritanomaly

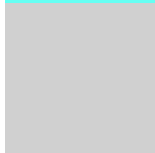
79.7825, 0.2556, 0.3243

Monochromacy



Original Color

80.8158, 0.2437, 0.3430



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.5059, 0.2785, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8158, 0.2437, 0.3430 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 80.8158, 0.2437, 0.3430 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, 243) }
```

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

```
.border{ border-color:rgb(102, 255, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8158, 0.2437, 0.3430 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, 243) }
```

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

```
.background{ background-color: rgb(102,  
255, 243) }
```

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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