

Converting Colors

$Yxy(80.4596, 0.2461, 0.3501)$

Have a look what the booklet for
Yxy(80.4596, 0.2461, 0.3501)
contains.

Yxy(80.4592, 0.2461, 0.3503)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.4592, 0.2461, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	66FFED
RGB	102, 255, 237
RGB Percent	40%, 100%, 93%
CMY	0.6002, 0.0000, 0.0704
CMYK	0.60, 0.00, 0.07, 0.00
HSL	173°, 100%, 70%
HSV	173°, 60%, 100%
XYZ	56.5259, 80.4592, 92.7015
YIQ	207.2010, -85.4100, -38.0340

Conversions

Conversions Part 2

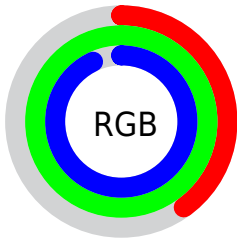
Format	Color
RYB	102, 183, 255
Decimal	6750189
CIELab	91.89, -44.57, -3.54
CIElCh	92, 44.711, 184.539
Yxy	80.4592, 0.2461, 0.3503
Android (android.graphics.Color)	4284940269 (0xFF66FFED)
YUV	207.2010, 14.6909, -92.2613
Hunter-Lab	89.6991, -44.4876, 1.5148

Details

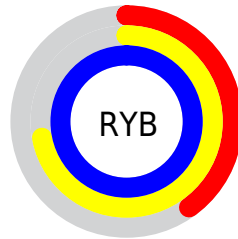
The Yxy color **80.4592, 0.2461, 0.3503** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1082, 0.4802, 0.3123**, and the grayscale version is **62.4715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **43.7244, 0.2322, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **79.0186, 0.2406, 0.3544**, and if you desaturate by 10%, it is **82.3604, 0.2536, 0.3463**.

Distribution



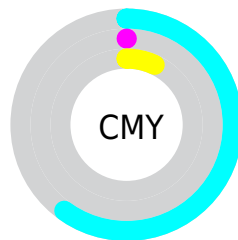
- Red (40%)
- Green (100%)
- Blue (93%)



- 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 80.4592, 0.2461, 0.3503 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 80.4592, 0.2461, 0.3503 by changing the saturation by 10% instead.

 80.4592, 0.2461,
0.3503


 80.4592, 0.2461,
0.3503

496.4790, 0.2759,
0.3410

 60.0963, 0.2395,
0.3523


 134.0112, 0.2563,
0.3472

 43.4963, 0.2315,
0.3546


 167.9690, 0.2603,
0.3460

 30.2747, 0.2216,
0.3575


 207.2273, 0.2637,
0.3449

 20.0472, 0.2090,
0.3611

252.1704, 0.2668,
0.3439

 12.4293, 0.1925,
0.3656

303.1827, 0.2695,
0.3431

 7.0368, 0.1701,
0.3713

360.6487, 0.2719,

 3.4851, 0.1383,

0.3423

0.3787

424.9526, 0.2740,
0.3417

■ 1.3899, 0.0476,
0.4057

■ 0.2093, 0.0000,
0.3057

■ 80.4592, 0.2461,
0.3503

■ 80.4592, 0.2461,
0.3503

■ 79.0186, 0.2406,
0.3544

■ 82.3604, 0.2536,
0.3463

■ 77.9954, 0.2370,
0.3585


■ 84.7607, 0.2628,
0.3424

■ 77.3375, 0.2353,
0.3627

■ 87.6940, 0.2737,
0.3387

■ 76.9604, 0.2352,
0.3667

■ 91.1914, 0.2858,
0.3352

 95.2816, 0.2989,
0.3319

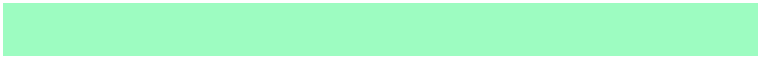
99.9914, 0.3127,
0.3290

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.



80.4592, 0.2885, 0.3986



80.4592, 0.2461, 0.3503



80.4592, 0.2222, 0.2995

Triad

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



80.4592, 0.2461, 0.3503



80.4592, 0.2796, 0.2508



80.4592, 0.4134, 0.3852

Complementary

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



80.4592, 0.2461, 0.3503



32.1082, 0.4802, 0.3123

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.



80.4592, 0.4125, 0.3453



80.4592, 0.2461, 0.3503



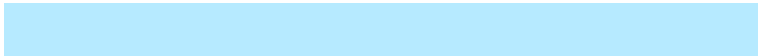
80.4592, 0.3313, 0.2716

Square

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



80.4592, 0.2461, 0.3503



80.4592, 0.2403, 0.2471



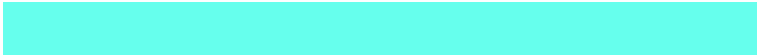
80.4592, 0.3815, 0.3050



80.4592, 0.3858, 0.4153

Rectangle

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



80.4592, 0.2461, 0.3503



80.4592, 0.2185, 0.2731



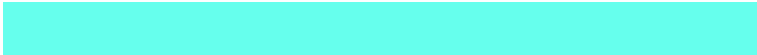
80.4592, 0.3815, 0.3050



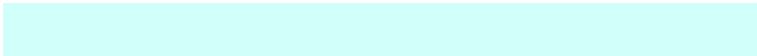
80.4592, 0.4166, 0.3725

Sweetspot

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



80.4590, 0.2461, 0.3503



91.9678, 0.2883, 0.3345



76.6425, 0.3128, 0.5186



19.4468, 0.2846, 0.3355



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.



80.4590, 0.2461, 0.3503



78.7840, 0.2397, 0.3552



50.8357, 0.2231, 0.2582



20.4426, 0.2996, 0.3318



40.2281, 0.2350, 0.3660



3.9268, 0.2337, 0.3614

Inverse Universe

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



32.1082, 0.4802, 0.3123



26.6069, 0.5341, 0.3124



46.6969, 0.4610, 0.3853



18.0217, 0.3276, 0.3262



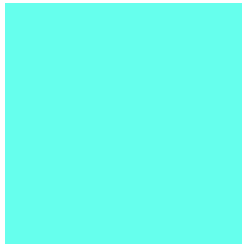
11.1685, 0.6260, 0.3222



1.0980, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 80.4592, 0.2461, 0.3503 looks on a white background.

Color Contrast Check

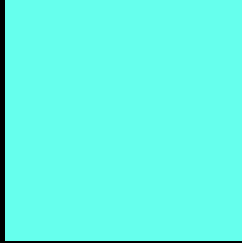
Large Text (above 18pt) WCAG AA × Fail

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 80.4592, 0.2461, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

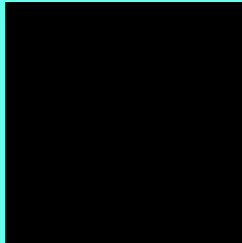
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

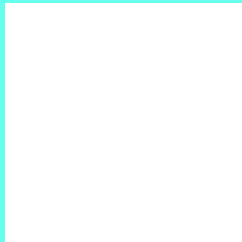
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4592, 0.2461, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 80.4592, 0.2461, 0.3503.

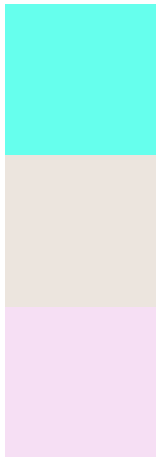


This preview shows how white text looks on a background with the Yxy color 80.4592, 0.2461, 0.3503.

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

80.4592, 0.2461, 0.3503

Protanopia

79.1454, 0.3221, 0.3363

Deuteranopia

78.8998, 0.3151, 0.3080



Tritanopia

79.6085, 0.2649, 0.3146

Trichromacy



Original Color

80.4592, 0.2461, 0.3503



Protanomaly

77.2599, 0.2869, 0.3413



Deuteranomaly

77.2369, 0.2831, 0.3223



Tritanomaly

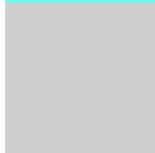
79.5019, 0.2565, 0.3277

Monochromacy



Original Color

80.4592, 0.2461, 0.3503



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 80.4592, 0.2461, 0.3503 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.4592, 0.2461, 0.3503 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, 237) }
```

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

```
.border{ border-color:rgb(102, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4592, 0.2461, 0.3503 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, 237) }
```

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

```
.background{ background-color: rgb(102,  
255, 237) }
```

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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