

Converting Colors

$Y_{xy}(100.0000, 0.2607, 0.3986)$

Have a look what the booklet for
Yxy(100.0000, 0.2607, 0.3986)
contains.

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Color

Yxy(80.1627, 0.2546, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	6EFFDF
RGB	110, 255, 223
RGB Percent	43%, 100%, 87%
CMY	0.5687, 0.0000, 0.1256
CMYK	0.57, 0.00, 0.13, 0.00
HSL	167°, 100%, 72%
HSV	167°, 57%, 100%
XYZ	55.5056, 80.1627, 82.3428
YIQ	207.9970, -76.1480, -40.6920

Conversions

Conversions Part 2

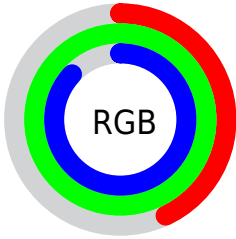
Format	Color
RYB	110, 191, 255
Decimal	7274463
CIELab	91.76, -46.54, 3.57
CIElCh	92, 46.681, 175.609
Yxy	80.1627, 0.2546, 0.3677
Android (android.graphics.Color)	4285464543 (0xFF6EFFDF)
YUV	207.9970, 7.3965, -85.9434
Hunter-Lab	89.5336, -46.0242, 8.1454

Details

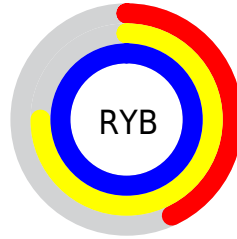
The Yxy color **80.1627, 0.2546, 0.3677** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.3628, 0.4474, 0.2973**, and the grayscale version is **63.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **43.0830, 0.2413, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **78.4553, 0.2492, 0.3758**, and if you desaturate by 10%, it is **82.3469, 0.2618, 0.3598**.

Distribution



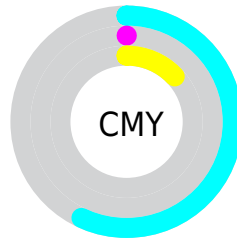
- Red (43%)
- Green (100%)
- Blue (87%)



- Red (43%)
- Yellow (75%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1627, 0.2546, 0.3677 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 80.1627, 0.2546, 0.3677 by changing the saturation by 10% instead.


 80.1627, 0.2546,
0.3677

 80.1627, 0.2546,
0.3677

495.4810, 0.2810,
0.3499

 59.8522, 0.2487,
0.3717


 133.5945, 0.2637,
0.3615

 43.2996, 0.2415,
0.3767


 167.4845, 0.2672,
0.3591

 30.1202, 0.2325,
0.3830

 206.6700, 0.2703,
0.3571

 19.9299, 0.2209,
0.3912

251.5351, 0.2730,
0.3553

 12.3441, 0.2054,
0.4022

302.4644, 0.2753,
0.3537

 6.9785, 0.1840,
0.4178


359.8422, 0.2774,


 3.4486, 0.1527,


0.3523


0.4415


424.0529, 0.2793,
0.3510


 1.3702, 0.0381,
0.5164


 0.1946, 0.0000,
1.0000


 80.1627, 0.2546,
0.3677


 80.1627, 0.2546,
0.3677


 78.4553, 0.2492,
0.3758


 82.3469, 0.2618,
0.3598


 77.1886, 0.2458,
0.3840


 85.0503, 0.2707,
0.3523


 76.3118, 0.2444,
0.3923

 88.3041, 0.2809,
0.3453

 75.7630, 0.2449,
0.4004

 92.1387, 0.2922,
0.3388

 75.6291, 0.2453,
0.4030

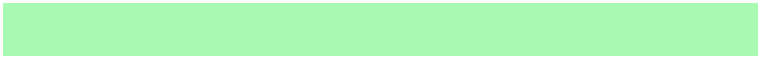
 96.5823, 0.3042,
0.3328

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.



80.1627, 0.3028, 0.4131



80.1627, 0.2546, 0.3677



80.1627, 0.2235, 0.3127

Triad

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



80.1627, 0.2546, 0.3677



80.1627, 0.2641, 0.2446



80.1627, 0.4211, 0.3754

Complementary

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



80.1627, 0.2546, 0.3677



34.3628, 0.4474, 0.2973

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.



80.1627, 0.4104, 0.3329



80.1627, 0.2546, 0.3677



80.1627, 0.3153, 0.2612

Square

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



80.1627, 0.2546, 0.3677



80.1627, 0.2289, 0.2464



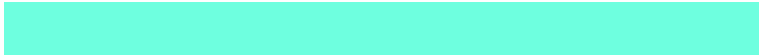
80.1627, 0.3703, 0.2925



80.1627, 0.4001, 0.4114

Rectangle

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



80.1627, 0.2546, 0.3677



80.1627, 0.2151, 0.2816



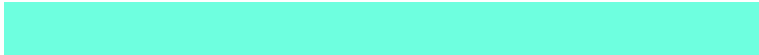
80.1627, 0.3703, 0.2925



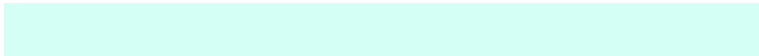
80.1627, 0.4212, 0.3614

Sweetspot

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



80.1608, 0.2546, 0.3677



92.0838, 0.2920, 0.3388



78.5591, 0.3211, 0.5040



19.5349, 0.2897, 0.3401



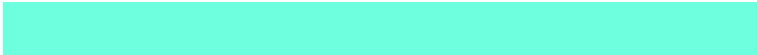
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.1608, 0.2546, 0.3677



78.2906, 0.2487, 0.3767



59.8155, 0.2312, 0.2815



20.4088, 0.3010, 0.3343



39.5412, 0.2449, 0.4016



3.8661, 0.2423, 0.3923

Inverse Universe

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



34.3628, 0.4474, 0.2973



28.5878, 0.4911, 0.2949



43.7726, 0.4607, 0.3684



18.0527, 0.3259, 0.3238



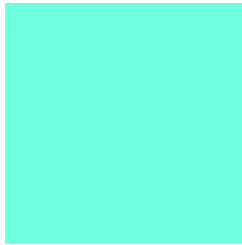
11.2776, 0.6023, 0.3091



1.1135, 0.5717, 0.2923

Previews

White Background



This preview shows how the Yxy color 80.1627, 0.2546, 0.3677 looks on a white background.

Color Contrast Check

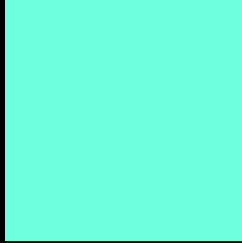
Large Text (above 18pt) WCAG AA × Fail

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 80.1627, 0.2546, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

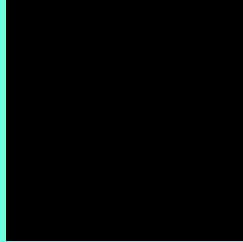
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1627, 0.2546, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 80.1627, 0.2546, 0.3677.

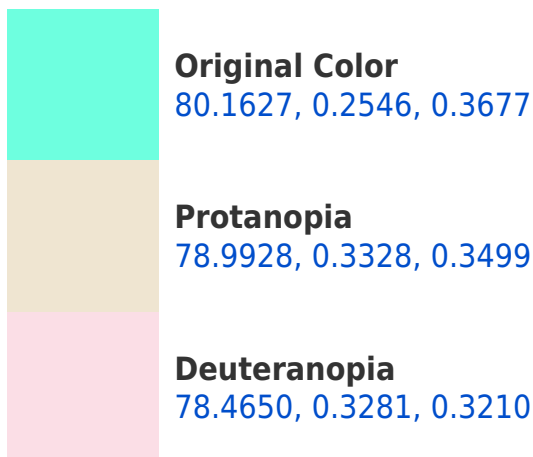


This preview shows how white text looks on a background with the Yxy color 80.1627, 0.2546, 0.3677.

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





Tritanopia

79.6085, 0.2649, 0.3146

Trichromacy



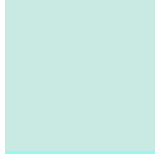
Original Color

80.1627, 0.2546, 0.3677



Protanomaly

77.2106, 0.2973, 0.3562



Deuteranomaly

76.6710, 0.2947, 0.3367



Tritanomaly

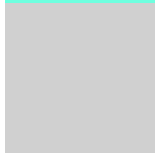
79.4766, 0.2602, 0.3334

Monochromacy



Original Color

80.1627, 0.2546, 0.3677



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.4252, 0.2849, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1627, 0.2546, 0.3677 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(110, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 223)  
}
```

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(110, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 80.1627, 0.2546, 0.3677 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(110, 255, 223) }
```

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

```
.border{ border-color:rgb(110, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1627, 0.2546, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 223) }
```

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

```
.background{ background-color: rgb(110,  
255, 223) }
```

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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