

Converting Colors

$Yxy(80.7373, 0.2540, 0.3612)$

Have a look what the booklet for
Yxy(80.7373, 0.2540, 0.3612)
contains.

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Color

Yxy(80.7663, 0.2542, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	73FFE4
RGB	115, 255, 228
RGB Percent	45%, 100%, 89%
CMY	0.5488, 0.0000, 0.1058
CMYK	0.55, 0.00, 0.11, 0.00
HSL	168°, 100%, 73%
HSV	168°, 55%, 100%
XYZ	56.8405, 80.7663, 85.9987
YIQ	210.0620, -74.7730, -38.0770

Conversions

Conversions Part 2

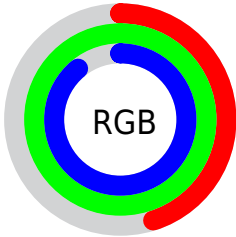
Format	Color
RYB	115, 192, 255
Decimal	7602148
CIELab	92.03, -44.38, 1.38
CIELCh	92, 44.405, 178.217
Yxy	80.7663, 0.2542, 0.3612
Android (android.graphics.Color)	4285792228 (0xFF73FFE4)
YUV	210.0620, 8.8434, -83.3694
Hunter-Lab	89.8701, -44.3760, 6.1731

Details

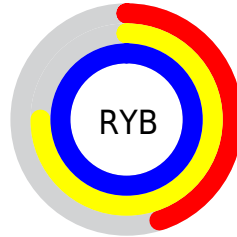
The Yxy color **80.7663, 0.2542, 0.3612** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.4900, 0.4449, 0.3021**, and the grayscale version is **64.4816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **43.9189, 0.2412, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **79.0029, 0.2482, 0.3682**, and if you desaturate by 10%, it is **83.0219, 0.2620, 0.3545**.

Distribution



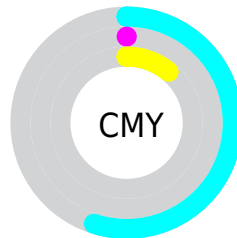
- Red (45%)
- Green (100%)
- Blue (89%)



- Red (45%)
- Yellow (75%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7663, 0.2542, 0.3612 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 80.7663, 0.2542, 0.3612 by changing the saturation by 10% instead.


 80.7663, 0.2542,
0.3612

 80.7663, 0.2542,
0.3612


497.5116, 0.2806,
0.3466


 60.3491, 0.2483,
0.3645


 134.4426, 0.2632,
0.3562

 43.7001, 0.2411,
0.3685


 168.4705, 0.2668,
0.3542

 30.4348, 0.2322,
0.3735

 207.8041, 0.2699,
0.3525

 20.1689, 0.2207,
0.3800

252.8278, 0.2726,
0.3510

 12.5179, 0.2056,
0.3886

303.9260, 0.2749,
0.3497

 7.0974, 0.1846,
0.4006


361.4831, 0.2771,


 3.5231, 0.1542,

0.3485


0.4184


425.8835, 0.2789,
0.3475


 1.4105, 0.0607,
0.4701


 0.2245, 0.0000,
0.6029


 80.7663, 0.2542,
0.3612


 80.7663, 0.2542,
0.3612


 79.0029, 0.2482,
0.3682


 83.0219, 0.2620,
0.3545


 77.6816, 0.2442,
0.3752


 85.7961, 0.2714,
0.3480


 76.7583, 0.2422,
0.3823

 89.1246, 0.2822,
0.3420

 76.1751, 0.2421,
0.3894

 93.0372, 0.2939,
0.3364

 75.9658, 0.2425,
0.3930

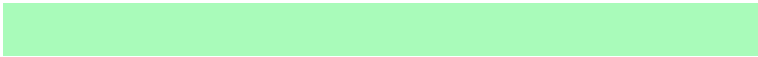
 97.5615, 0.3064,
0.3313

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



80.7663, 0.2991, 0.4056



80.7663, 0.2542, 0.3612



80.7663, 0.2261, 0.3095

Triad

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



80.7663, 0.2542, 0.3612



80.7663, 0.2703, 0.2491



80.7663, 0.4150, 0.3769

Complementary

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



80.7663, 0.2542, 0.3612



35.4900, 0.4449, 0.3021

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.



80.7663, 0.4075, 0.3365



80.7663, 0.2542, 0.3612



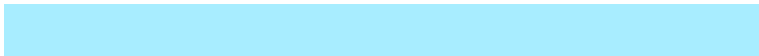
80.7663, 0.3199, 0.2664

Square

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



80.7663, 0.2542, 0.3612



80.7663, 0.2350, 0.2494



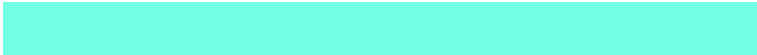
80.7663, 0.3715, 0.2974



80.7663, 0.3930, 0.4098

Rectangle

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



80.7663, 0.2542, 0.3612



80.7663, 0.2193, 0.2809



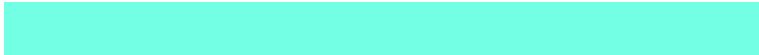
80.7663, 0.3715, 0.2974



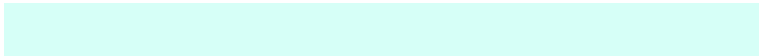
80.7663, 0.4160, 0.3638

Sweetspot

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



80.7695, 0.2542, 0.3612



92.5698, 0.2926, 0.3370



78.6017, 0.3186, 0.4989



19.6338, 0.2901, 0.3382



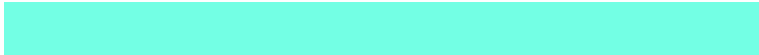
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.7695, 0.2542, 0.3612



78.8349, 0.2477, 0.3690



58.4662, 0.2322, 0.2775



20.4179, 0.3006, 0.3336



39.7161, 0.2422, 0.3918



3.8817, 0.2399, 0.3838

Inverse Universe

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



35.4900, 0.4449, 0.3021



29.3636, 0.4896, 0.2997



46.6276, 0.4501, 0.3721



18.0443, 0.3264, 0.3244



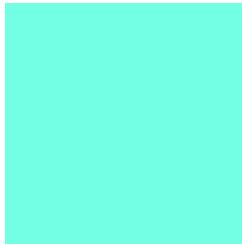
11.2416, 0.6098, 0.3133



1.1089, 0.5804, 0.2971

Previews

White Background



This preview shows how the Yxy color 80.7663, 0.2542, 0.3612 looks on a white background.

Color Contrast Check

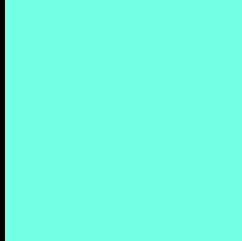
Large Text (above 18pt) WCAG AA × Fail

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 80.7663, 0.2542, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

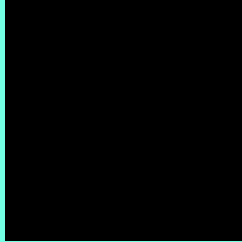
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7663, 0.2542, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 80.7663, 0.2542, 0.3612.

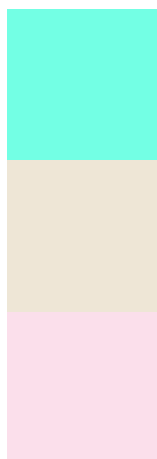


This preview shows how white text looks on a background with the Yxy color 80.7663, 0.2542, 0.3612.

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

80.7663, 0.2542, 0.3612

Protanopia

79.6258, 0.3287, 0.3457

Deuteranopia

79.2827, 0.3246, 0.3170



Tritanopia

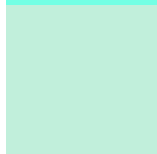
80.0714, 0.2669, 0.3146

Trichromacy



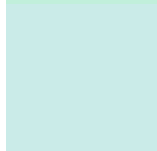
Original Color

80.7663, 0.2542, 0.3612



Protanomaly

78.1849, 0.2951, 0.3514



Deuteranomaly

77.7994, 0.2931, 0.3322



Tritanomaly

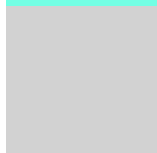
79.9841, 0.2611, 0.3311

Monochromacy



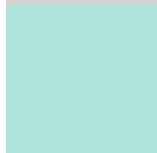
Original Color

80.7663, 0.2542, 0.3612



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5164, 0.2845, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7663, 0.2542, 0.3612 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(115, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 228)  
}
```

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(115, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 80.7663, 0.2542, 0.3612 is called "border". The border property can be set on classes, ids or directly on the HTML element.

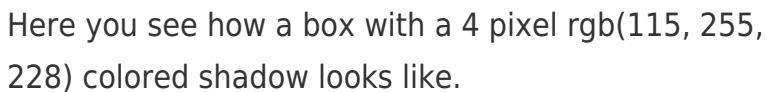
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 255, 228) }
```

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

```
.border{ border-color:rgb(115, 255, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 255, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 255, 228); box-shadow:4px 4px 4px 4px rgb(115, 255, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7663, 0.2542, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 228) }
```

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

```
.background{ background-color: rgb(115,  
255, 228) }
```

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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