

Converting Colors

$Yxy(78.1618, 0.2529, 0.3672)$

Have a look what the booklet for
Yxy(78.1618, 0.2529, 0.3672)
contains.

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Color

Yxy(78.4141, 0.2530, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	68FDDD
RGB	104, 253, 221
RGB Percent	41%, 99%, 87%
CMY	0.5918, 0.0079, 0.1333
CMYK	0.59, 0.00, 0.13, 0.01
HSL	167°, 97%, 70%
HSV	167°, 59%, 99%
XYZ	53.8950, 78.4141, 80.7148
YIQ	204.8010, -78.5320, -41.5400

Conversions

Conversions Part 2

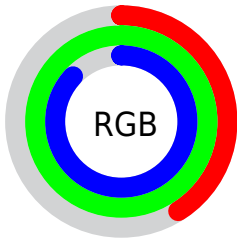
Format	Color
RYB	104, 187, 253
Decimal	6880733
CIELab	90.97, -47.22, 3.42
CIELCh	91, 47.348, 175.855
Yxy	78.4141, 0.2530, 0.3681
Android (android.graphics.Color)	4285070813 (0xFF68FDDD)
YUV	204.8010, 7.9861, -88.4025
Hunter-Lab	88.5517, -46.3255, 7.9435

Details

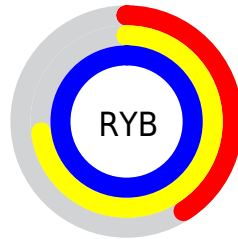
The Yxy color **78.4141, 0.2530, 0.3681** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.5807, 0.4560, 0.2976**, and the grayscale version is **60.9207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **42.3432, 0.2396, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **76.8370, 0.2480, 0.3760**, and if you desaturate by 10%, it is **80.4608, 0.2599, 0.3604**.

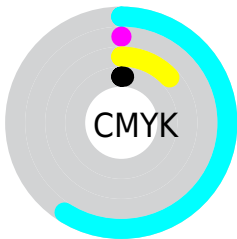
Distribution



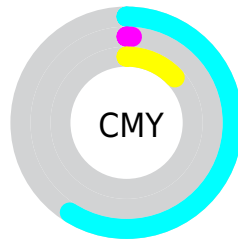
- Red (41%)
- Green (99%)
- Blue (87%)



- Red (41%)
- Yellow (73%)
- Blue (99%)



- Cyan (59%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (59%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4141, 0.2530, 0.3681 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 78.4141, 0.2530, 0.3681 by changing the saturation by 10% instead.


 78.4141, 0.2530,
0.3681

 78.4141, 0.2530,
0.3681


489.5720, 0.2802,
0.3500

 58.4142, 0.2469,
0.3722


 131.1337, 0.2624,
0.3618

 42.1417, 0.2394,
0.3773


 164.6222, 0.2660,
0.3594

 29.2123, 0.2301,
0.3837


 203.3757, 0.2692,
0.3573

 19.2415, 0.2180,
0.3920

247.7786, 0.2720,
0.3555

 11.8449, 0.2020,
0.4033

298.2153, 0.2744,
0.3539

 6.6381, 0.1796,
0.4193


355.0702, 0.2766,


 3.2369, 0.1469,


0.3525


0.4437

418.7276, 0.2785,
0.3512


 1.2566, 0.0006,
0.5357


 0.1072, 0.0000,
1.0000


 78.4141, 0.2530,
0.3681


 78.4141, 0.2530,
0.3681


 76.8370, 0.2480,
0.3760


 80.4608, 0.2599,
0.3604

 75.6782, 0.2449,
0.3840


 83.0049, 0.2685,
0.3531

 74.8910, 0.2439,
0.3920

 86.0824, 0.2786,
0.3461

 74.4026, 0.2445,
0.3998

 89.7236, 0.2897,
0.3397

 74.3550, 0.2447,
0.4007

 93.9566, 0.3017,
0.3338

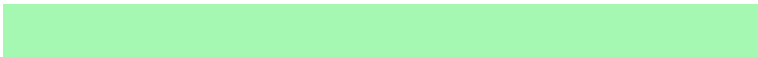
 98.6381, 0.3136,
0.3284

 98.7269, 0.3128,
0.3271

Harmonies

Analogous

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



78.4141, 0.3020, 0.4148



78.4141, 0.2530, 0.3681



78.4141, 0.2215, 0.3118

Triad

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



78.4141, 0.2530, 0.3681



78.4141, 0.2634, 0.2430



78.4141, 0.4233, 0.3765

Complementary

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



78.4141, 0.2530, 0.3681



32.5807, 0.4560, 0.2976

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.



78.4141, 0.4128, 0.3332



78.4141, 0.2530, 0.3681



78.4141, 0.3158, 0.2601

Square

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



78.4141, 0.2530, 0.3681



78.4141, 0.2274, 0.2447



78.4141, 0.3719, 0.2921



78.4141, 0.4015, 0.4132

Rectangle

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



78.4141, 0.2530, 0.3681



78.4141, 0.2132, 0.2802



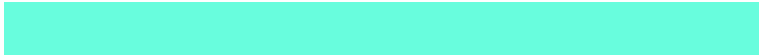
78.4141, 0.3719, 0.2921



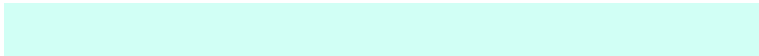
78.4141, 0.4236, 0.3623

Sweetspot

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



78.4172, 0.2530, 0.3681



91.6913, 0.2907, 0.3392



76.5124, 0.3195, 0.5110



19.3785, 0.2873, 0.3410



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.



78.4172, 0.2530, 0.3681



77.9381, 0.2471, 0.3777



56.5323, 0.2282, 0.2763



20.4107, 0.3009, 0.3342



39.5786, 0.2443, 0.3995



3.8695, 0.2418, 0.3904

Inverse Universe

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



32.5807, 0.4560, 0.2976



27.3392, 0.5050, 0.2959



42.5280, 0.4663, 0.3718



18.0509, 0.3260, 0.3239



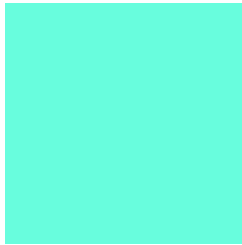
11.2694, 0.6040, 0.3101



1.1125, 0.5736, 0.2934

Previews

White Background



This preview shows how the Yxy color 78.4141, 0.2530, 0.3681 looks on a white background.

Color Contrast Check

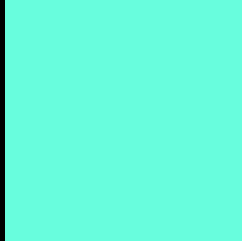
Large Text (above 18pt) WCAG AA × Fail

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 78.4141, 0.2530, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

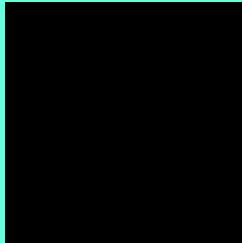
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

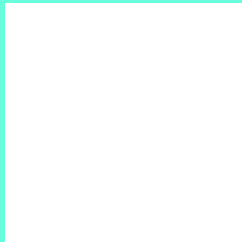
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4141, 0.2530, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 78.4141, 0.2530, 0.3681.

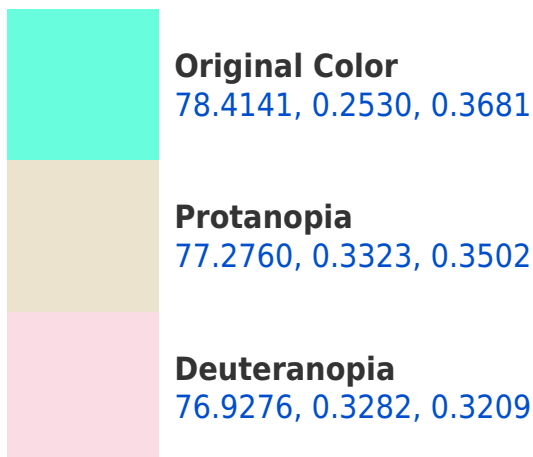


This preview shows how white text looks on a background with the Yxy color 78.4141, 0.2530, 0.3681.

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

78.0231, 0.2602, 0.3132

Trichromacy



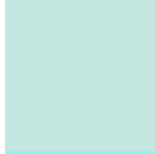
Original Color

78.4141, 0.2530, 0.3681



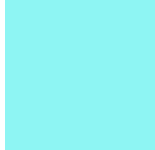
Protanomaly

75.4357, 0.2959, 0.3565



Deuteranomaly

74.8852, 0.2933, 0.3368



Tritanomaly

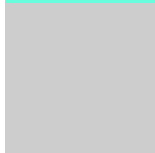
77.5267, 0.2562, 0.3312

Monochromacy



Original Color

78.4141, 0.2530, 0.3681



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.2705, 0.2833, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4141, 0.2530, 0.3681 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(104, 253, 221)` looks like.

```
.text, #text, p{  
    color:rgb(104, 253, 221)  
}
```

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(104, 253, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 253, 221) }
```

Border

The CSS property to change the border of an element to Yxy 78.4141, 0.2530, 0.3681 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(104, 253, 221) }
```

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

```
.border{ border-color:rgb(104, 253, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 253, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 253, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 253, 221); box-shadow:4px 4px 4px 4px rgb(104, 253, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4141, 0.2530, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 253, 221) }
```

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

```
.background{ background-color: rgb(104,  
253, 221) }
```

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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