

Converting Colors

$Yxy(78.5373, 0.2617, 0.3974)$

Have a look what the booklet for
Yxy(78.5373, 0.2617, 0.3974)
contains.

Yxy(78.5149, 0.2619, 0.3980)	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(78.5149, 0.2619, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	66FFC8
RGB	102, 255, 200
RGB Percent	40%, 100%, 78%
CMY	0.6001, 0.0000, 0.2156
CMYK	0.60, 0.00, 0.22, 0.00
HSL	158°, 100%, 70%
HSV	158°, 60%, 100%
XYZ	51.6660, 78.5149, 67.0928
YIQ	202.9830, -73.5330, -49.5410

Conversions

Conversions Part 2

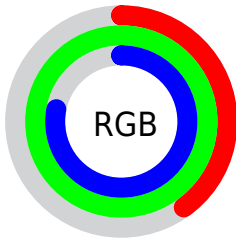
Format	Color
RYB	102, 195, 255
Decimal	6750152
CIELab	91.01, -53.21, 14.32
CIELCh	91, 55.100, 164.940
Yxy	78.5149, 0.2619, 0.3980
Android (android.graphics.Color)	4284940232 (0xFF66FFC8)
YUV	202.9830, -1.4706, -88.5621
Hunter-Lab	88.6086, -50.9853, 17.1328

Details

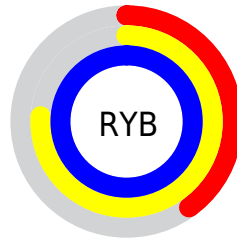
The Yxy color **78.5149, 0.2619, 0.3980** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.1929, 0.4310, 0.2748**, and the grayscale version is **59.7528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.0724, 0.2495, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **76.8324, 0.2583, 0.4120**, and if you desaturate by 10%, it is **80.6824, 0.2674, 0.3845**.

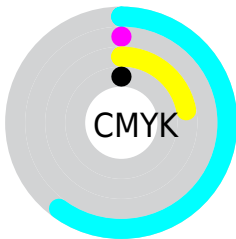
Distribution



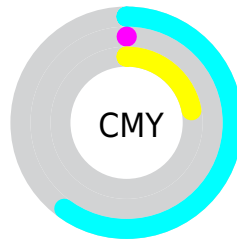
- Red (40%)
- Green (100%)
- Blue (78%)



- Red (40%)
- Yellow (76%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5149, 0.2619, 0.3980 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 78.5149, 0.2619, 0.3980 by changing the saturation by 10% instead.

 78.5149, 0.2619,
0.3980


 78.5149, 0.2619,
0.3980


489.9137, 0.2857,
0.3650


 58.4970, 0.2564,
0.4058


 131.2757, 0.2702,
0.3863

 42.2084, 0.2496,
0.4155


 164.7875, 0.2734,
0.3819

 29.2645, 0.2409,
0.4281

 203.5660, 0.2762,
0.3781

 19.2810, 0.2295,
0.4448

247.9957, 0.2786,
0.3747

 11.8735, 0.2140,
0.4681

298.4609, 0.2807,
0.3718

 6.6576, 0.1916,
0.5028


355.3460, 0.2826,


 3.2489, 0.1573,


0.3693


0.5588


419.0355, 0.2842,
0.3670


 1.2630, 0.0000,
0.7945


 0.1123, 0.0000,
1.0000


 78.5149, 0.2619,
0.3980

 78.5149, 0.2619,
0.3980


 76.8324, 0.2583,
0.4120


 80.6824, 0.2674,
0.3845

 75.5888, 0.2567,
0.4261


 83.3714, 0.2745,
0.3716

 74.7326, 0.2571,
0.4400

 86.6171, 0.2829,
0.3595

 74.1784, 0.2594,
0.4537

 90.4508, 0.2923,
0.3483

 94.9018, 0.3023,
0.3382

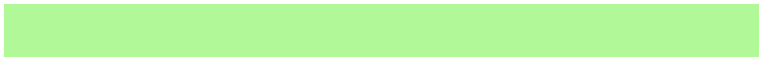
99.9972, 0.3127,
0.3290

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.



78.5149, 0.3223, 0.4418



78.5149, 0.2619, 0.3980



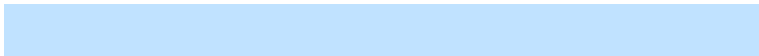
78.5149, 0.2180, 0.3313

Triad

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



78.5149, 0.2619, 0.3980



78.5149, 0.2382, 0.2288



78.5149, 0.4413, 0.3640

Complementary

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



78.5149, 0.2619, 0.3980



33.1929, 0.4310, 0.2748

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.



78.5149, 0.4154, 0.3149



78.5149, 0.2619, 0.3980



78.5149, 0.2922, 0.2411

Square

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



78.5149, 0.2619, 0.3980



78.5149, 0.2062, 0.2385



78.5149, 0.3582, 0.2716



78.5149, 0.4280, 0.4108

Rectangle

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



78.5149, 0.2619, 0.3980



78.5149, 0.2025, 0.2902



78.5149, 0.3582, 0.2716



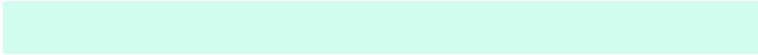
78.5149, 0.4371, 0.3474

Sweetspot

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



78.5156, 0.2619, 0.3980



91.2930, 0.2942, 0.3462



79.7574, 0.3325, 0.5072



19.2806, 0.2914, 0.3493



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.



78.5156, 0.2619, 0.3980



76.5507, 0.2578, 0.4148



69.2308, 0.2335, 0.3043



20.3642, 0.3028, 0.3377



38.7894, 0.2587, 0.4514



3.7977, 0.2544, 0.4358

Inverse Universe

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



33.1929, 0.4310, 0.2748



27.6340, 0.4698, 0.2701



36.2337, 0.4880, 0.3492



18.0949, 0.3238, 0.3205



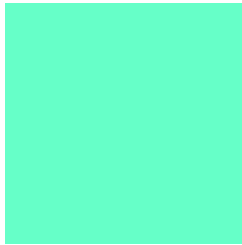
11.5348, 0.5547, 0.2830



1.1431, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 78.5149, 0.2619, 0.3980 looks on a white background.

Color Contrast Check

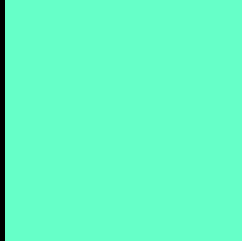
Large Text (above 18pt) WCAG AA × Fail

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 78.5149, 0.2619, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

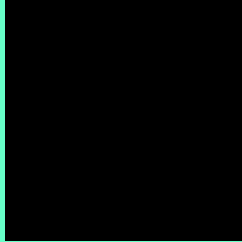
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5149, 0.2619, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 78.5149, 0.2619, 0.3980.

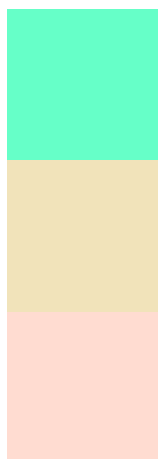


This preview shows how white text looks on a background with the Yxy color 78.5149, 0.2619, 0.3980.

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

78.5149, 0.2619, 0.3980

Protanopia

77.1841, 0.3502, 0.3723

Deuteranopia

77.0498, 0.3459, 0.3402



Tritanopia

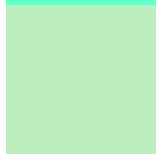
78.1299, 0.2607, 0.3133

Trichromacy



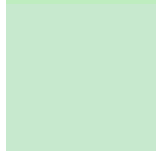
Original Color

78.5149, 0.2619, 0.3980



Protanomaly

75.2771, 0.3096, 0.3825



Deuteranomaly

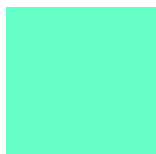
74.8762, 0.3066, 0.3597



Tritanomaly

77.6605, 0.2601, 0.3418

Monochromacy



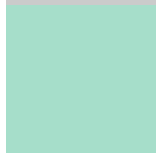
Original Color

78.5149, 0.2619, 0.3980



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6138, 0.2874, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5149, 0.2619, 0.3980 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 78.5149, 0.2619, 0.3980 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, 200) }
```

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

```
.border{ border-color:rgb(102, 255, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5149, 0.2619, 0.3980 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, 200) }
```

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

```
.background{ background-color: rgb(102,  
255, 200) }
```

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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