

Converting Colors

$Yxy(78.1969, 0.2650, 0.4074)$

Have a look what the booklet for
Yxy(78.1969, 0.2650, 0.4074)
contains.

Yxy(78.1950, 0.2650, 0.4074)	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(78.1950, 0.2650, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	66FFC1
RGB	102, 255, 193
RGB Percent	40%, 100%, 76%
CMY	0.6002, 0.0000, 0.2430
CMYK	0.60, 0.00, 0.24, 0.00
HSL	156°, 100%, 70%
HSV	156°, 60%, 100%
XYZ	50.8632, 78.1950, 62.8785
YIQ	202.1850, -71.2860, -51.7180

Conversions

Conversions Part 2

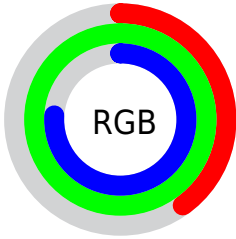
Format	Color
RYB	102, 198, 255
Decimal	6750145
CIELab	90.87, -54.70, 17.71
CIELCh	91, 57.499, 162.064
Yxy	78.1950, 0.2650, 0.4074
Android (android.graphics.Color)	4284940225 (0xFF66FFC1)
YUV	202.1850, -4.5282, -87.8622
Hunter-Lab	88.4279, -52.0768, 19.7402

Details

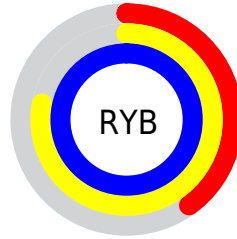
The Yxy color **78.1950, 0.2650, 0.4074** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.4319, 0.4219, 0.2677**, and the grayscale version is **59.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4215, 0.2652, 0.3344**, and **41.8747, 0.2532, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **76.4817, 0.2617, 0.4233**, and if you desaturate by 10%, it is **80.3957, 0.2701, 0.3920**.

Distribution



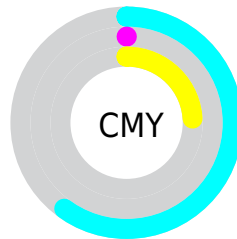
- Red (40%)
- Green (100%)
- Blue (76%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1950, 0.2650, 0.4074 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 78.1950, 0.2650, 0.4074 by changing the saturation by 10% instead.


 78.1950, 0.2650,
0.4074


 78.1950, 0.2650,
0.4074


488.8288, 0.2877,
0.3696


 58.2342, 0.2597,
0.4164


 130.8250, 0.2730,
0.3940

 41.9969, 0.2531,
0.4277

 164.2629, 0.2760,
0.3889

 29.0989, 0.2446,
0.4422


 202.9620, 0.2787,
0.3845

 19.1556, 0.2334,
0.4617

247.3067, 0.2809,
0.3807

 11.7828, 0.2179,
0.4891

297.6813, 0.2829,
0.3774

 6.5960, 0.1953,
0.5299

354.4703, 0.2847,

 3.2107, 0.1598,

0.3745

0.5963

418.0580, 0.2863,
0.3719

■ 1.2427, 0.0000,
0.9451

■ 0.0962, 0.0000,
1.0000

■ 78.1950, 0.2650,
0.4074

■ 78.1950, 0.2650,
0.4074

■ 76.4817, 0.2617,
0.4233

■ 80.3957, 0.2701,
0.3920

■ 75.2156, 0.2605,
0.4393


■ 83.1267, 0.2768,
0.3773

■ 74.3429, 0.2614,
0.4551

■ 86.4211, 0.2847,
0.3635

■ 73.7785, 0.2640,
0.4704

■ 90.3107, 0.2935,
0.3509

 94.8248, 0.3029,
0.3394

99.9905, 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.



78.1950, 0.3287, 0.4494



78.1950, 0.2650, 0.4074



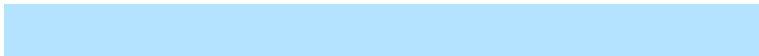
78.1950, 0.2173, 0.3379

Triad

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



78.1950, 0.2650, 0.4074



78.1950, 0.2309, 0.2248



78.1950, 0.4462, 0.3599

Complementary

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



78.1950, 0.2650, 0.4074



33.4319, 0.4219, 0.2677

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.



78.1950, 0.4154, 0.3094



78.1950, 0.2650, 0.4074



78.1950, 0.2850, 0.2356

Square

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



78.1950, 0.2650, 0.4074



78.1950, 0.2002, 0.2370



78.1950, 0.3535, 0.2656



78.1950, 0.4357, 0.4094

Rectangle

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



78.1950, 0.2650, 0.4074



78.1950, 0.1996, 0.2938



78.1950, 0.3535, 0.2656



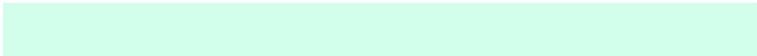
78.1950, 0.4405, 0.3428

Sweetspot

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



78.1936, 0.2650, 0.4074



91.1701, 0.2954, 0.3484



80.5557, 0.3371, 0.5046



19.2505, 0.2927, 0.3519



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.



78.1936, 0.2650, 0.4074



76.1967, 0.2613, 0.4265



73.6932, 0.2356, 0.3136



20.3496, 0.3034, 0.3388



38.5812, 0.2633, 0.4679



3.7782, 0.2584, 0.4503

Inverse Universe

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



33.4319, 0.4219, 0.2677



27.8850, 0.4572, 0.2619



34.4138, 0.4937, 0.3417



18.1090, 0.3230, 0.3194



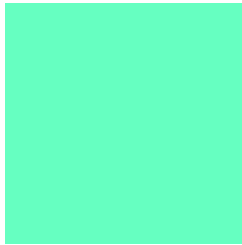
11.6509, 0.5364, 0.2729



1.1554, 0.5064, 0.2563

Previews

White Background



This preview shows how the Yxy color 78.1950, 0.2650, 0.4074 looks on a white background.

Color Contrast Check

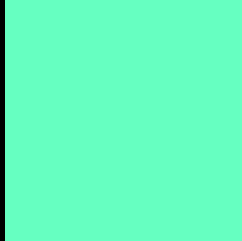
Large Text (above 18pt) WCAG AA × Fail

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 78.1950, 0.2650, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

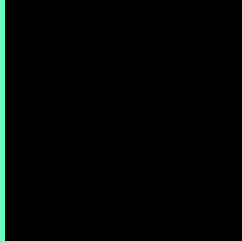
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1950, 0.2650, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 78.1950, 0.2650, 0.4074.

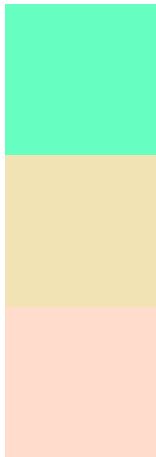


This preview shows how white text looks on a background with the Yxy color 78.1950, 0.2650, 0.4074.

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

78.1950, 0.2650, 0.4074

Protanopia

76.8936, 0.3550, 0.3798

Deuteranopia

76.8060, 0.3495, 0.3454



Tritanopia

77.3267, 0.2596, 0.3121

Trichromacy



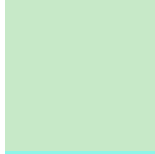
Original Color

78.1950, 0.2650, 0.4074



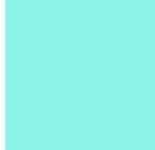
Protanomaly

74.9762, 0.3137, 0.3909



Deuteranomaly

74.5901, 0.3103, 0.3667



Tritanomaly

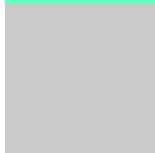
76.7937, 0.2609, 0.3442

Monochromacy



Original Color

78.1950, 0.2650, 0.4074



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.9434, 0.2891, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1950, 0.2650, 0.4074 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 78.1950, 0.2650, 0.4074 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, 193) }
```

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

```
.border{ border-color:rgb(102, 255, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1950, 0.2650, 0.4074 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, 193) }
```

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

```
.background{ background-color: rgb(102,  
255, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor