

Converting Colors

$Yxy(78.4833, 0.2521, 0.3694)$

Have a look what the booklet for
Yxy(78.4833, 0.2521, 0.3694)
contains.

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Color

Yxy(78.1803, 0.2517, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	64FDDD
RGB	100, 253, 221
RGB Percent	39%, 99%, 87%
CMY	0.6078, 0.0078, 0.1334
CMYK	0.60, 0.00, 0.13, 0.01
HSL	167°, 97%, 69%
HSV	167°, 60%, 99%
XYZ	53.4292, 78.1803, 80.6639
YIQ	203.6050, -80.9160, -42.3880

Conversions

Conversions Part 2

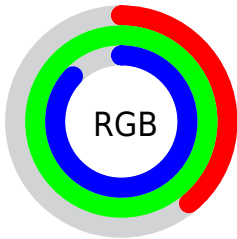
Format	Color
RYB	100, 185, 253
Decimal	6618589
CIELab	90.86, -47.96, 3.28
CIELCh	91, 48.073, 176.092
Yxy	78.1803, 0.2517, 0.3683
Android (android.graphics.Color)	4284808669 (0xFF64FDDD)
YUV	203.6050, 8.5757, -90.8616
Hunter-Lab	88.4196, -46.8724, 7.8044

Details

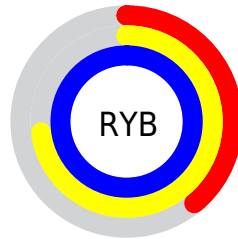
The Yxy color **78.1803, 0.2517, 0.3683** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **31.6659, 0.4633, 0.2980**, and the grayscale version is **60.1056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **42.2330, 0.2384, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **76.6799, 0.2469, 0.3760**, and if you desaturate by 10%, it is **80.1435, 0.2584, 0.3608**.

Distribution



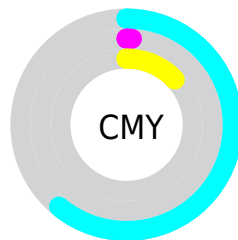
- Red (39%)
- Green (99%)
- Blue (87%)



- Red (39%)
- Yellow (73%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1803, 0.2517, 0.3683 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 78.1803, 0.2517, 0.3683 by changing the saturation by 10% instead.

 78.1803, 0.2517,
0.3683


 78.1803, 0.2517,
0.3683


488.7789, 0.2795,
0.3502

 58.2221, 0.2455,
0.3724


 130.8043, 0.2613,
0.3620

 41.9872, 0.2378,
0.3775

 164.2388, 0.2650,
0.3596

 29.0913, 0.2283,
0.3839


 202.9343, 0.2682,
0.3575

 19.1499, 0.2160,
0.3923

247.2750, 0.2711,
0.3556

 11.7786, 0.1996,
0.4036

297.6455, 0.2736,
0.3540

 6.5931, 0.1769,
0.4196


354.4300, 0.2758,


 3.2090, 0.1436,


0.3526


0.4440


418.0130, 0.2777,
0.3513


 1.2418, 0.0000,
0.5337


 0.0954, 0.0000,
1.0000


 78.1803, 0.2517,
0.3683


 78.1803, 0.2517,
0.3683


 76.6799, 0.2469,
0.3760

 80.1435, 0.2584,
0.3608


 75.5899, 0.2442,
0.3838


 82.5980, 0.2668,
0.3536


 74.8620, 0.2434,
0.3915


 85.5803, 0.2767,
0.3468

 74.4267, 0.2441,
0.3988

 89.1213, 0.2877,
0.3404

 93.2492, 0.2996,
0.3346

 97.9904, 0.3121,
0.3292

 98.7345, 0.3128,
0.3271

Harmonies

Analogous

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



78.1803, 0.3013, 0.4161



78.1803, 0.2517, 0.3683



78.1803, 0.2200, 0.3110

Triad

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



78.1803, 0.2517, 0.3683



78.1803, 0.2630, 0.2418



78.1803, 0.4250, 0.3774

Complementary

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



78.1803, 0.2517, 0.3683



31.6659, 0.4633, 0.2980

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.



78.1803, 0.4147, 0.3335



78.1803, 0.2517, 0.3683



78.1803, 0.3162, 0.2593

Square

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



78.1803, 0.2517, 0.3683



78.1803, 0.2264, 0.2433



78.1803, 0.3733, 0.2918



78.1803, 0.4026, 0.4147

Rectangle

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



78.1803, 0.2517, 0.3683



78.1803, 0.2117, 0.2790



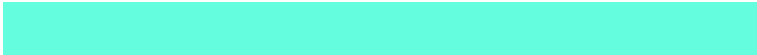
78.1803, 0.3733, 0.2918



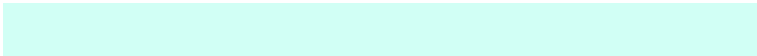
78.1803, 0.4254, 0.3630

Sweetspot

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



78.1834, 0.2517, 0.3683



91.7064, 0.2906, 0.3389



76.1739, 0.3193, 0.5162



19.3822, 0.2872, 0.3407



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.



78.1834, 0.2517, 0.3683



77.7393, 0.2460, 0.3780



55.7252, 0.2264, 0.2746



20.4125, 0.3008, 0.3340



39.6121, 0.2438, 0.3976



3.8725, 0.2413, 0.3888

Inverse Universe

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



31.6659, 0.4633, 0.2980



26.5766, 0.5148, 0.2970



41.5557, 0.4723, 0.3725



18.0493, 0.3261, 0.3240



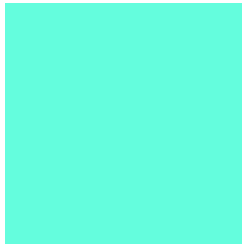
11.2623, 0.6055, 0.3109



1.1116, 0.5753, 0.2943

Previews

White Background



This preview shows how the Yxy color 78.1803, 0.2517, 0.3683 looks on a white background.

Color Contrast Check

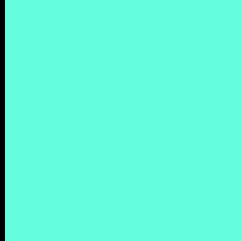
Large Text (above 18pt) WCAG AA × Fail

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 78.1803, 0.2517, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

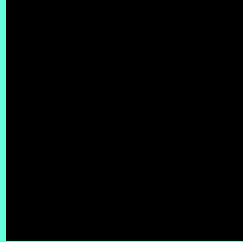
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1803, 0.2517, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 78.1803, 0.2517, 0.3683.

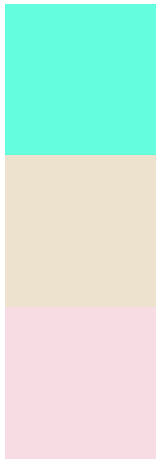


This preview shows how white text looks on a background with the Yxy color 78.1803, 0.2517, 0.3683.

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

78.1803, 0.2517, 0.3683

Protanopia

76.6818, 0.3331, 0.3502

Deuteranopia

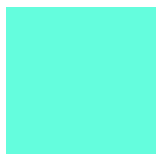
76.7443, 0.3275, 0.3209



Tritanopia

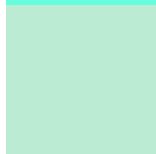
77.8120, 0.2592, 0.3132

Trichromacy



Original Color

78.1803, 0.2517, 0.3683



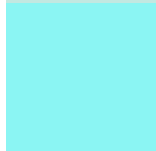
Protanomaly

75.2588, 0.2959, 0.3577



Deuteranomaly

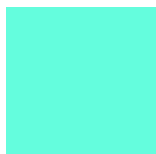
74.6188, 0.2920, 0.3368



Tritanomaly

77.2648, 0.2549, 0.3312

Monochromacy



Original Color

78.1803, 0.2517, 0.3683



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.0027, 0.2827, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1803, 0.2517, 0.3683 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(100, 253, 221)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 253, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 253, 221) }
```

Border

The CSS property to change the border of an element to Yxy 78.1803, 0.2517, 0.3683 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(100, 253, 221) }
```

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

```
.border{ border-color:rgb(100, 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(100, 253, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 253, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 253, 221);  
box-shadow:4px 4px 4px 4px rgb(100, 253,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1803, 0.2517, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 253, 221) }
```

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

```
.background{ background-color: rgb(100,  
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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