

Converting Colors

$Yxy(79.6681, 0.2520, 0.3680)$

Have a look what the booklet for
Yxy(79.6681, 0.2520, 0.3680)
contains.

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Color

Yxy(79.6725, 0.2519, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	66FFDF
RGB	102, 255, 223
RGB Percent	40%, 100%, 87%
CMY	0.6005, 0.0000, 0.1254
CMYK	0.60, 0.00, 0.13, 0.00
HSL	167°, 100%, 70%
HSV	167°, 60%, 100%
XYZ	54.5515, 79.6725, 82.3362
YIQ	205.6050, -80.9160, -42.3880

Conversions

Conversions Part 2

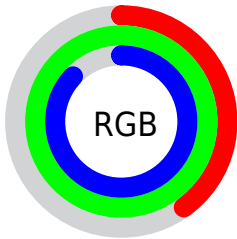
Format	Color
RYB	102, 187, 255
Decimal	6750175
CIELab	91.54, -48.00, 3.20
CIELCh	92, 48.110, 176.187
Yxy	79.6725, 0.2519, 0.3679
Android (android.graphics.Color)	4284940255 (0xFF66FFDF)
YUV	205.6050, 8.5757, -90.8616
Hunter-Lab	89.2595, -47.1126, 7.7903

Details

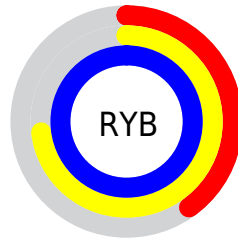
The Yxy color **79.6725, 0.2519, 0.3679** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.4565, 0.4619, 0.2982**, and the grayscale version is **61.4167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **42.7790, 0.2380, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **78.1188, 0.2470, 0.3756**, and if you desaturate by 10%, it is **81.6826, 0.2587, 0.3604**.

Distribution



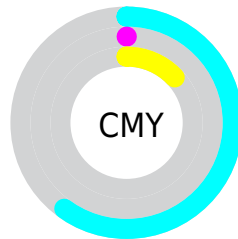
- Red (40%)
- Green (100%)
- Blue (87%)



- Red (40%)
- Yellow (73%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.6725, 0.2519, 0.3679 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 79.6725, 0.2519, 0.3679 by changing the saturation by 10% instead.

 79.6725, 0.2519,
0.3679


 79.6725, 0.2519,
0.3679


493.8285, 0.2795,
0.3500

 59.4489, 0.2457,
0.3720

 132.9052, 0.2614,
0.3617

 42.9746, 0.2382,
0.3769


 166.6831, 0.2651,
0.3593

 29.8652, 0.2288,
0.3832


 205.7478, 0.2683,
0.3572

 19.7363, 0.2166,
0.3914

250.4838, 0.2711,
0.3554

 12.2035, 0.2006,
0.4024

301.2755, 0.2736,
0.3538

 6.8824, 0.1783,
0.4179


358.5072, 0.2758,


 3.3887, 0.1459,

0.3524

0.4413


422.5634, 0.2778,
0.3511


 1.3379, 0.0165,
0.5223


 0.1702, 0.0000,
1.0000


 79.6725, 0.2519,
0.3679


 79.6725, 0.2519,
0.3679


 78.1188, 0.2470,
0.3756

 81.6826, 0.2587,
0.3604


 76.9936, 0.2442,
0.3833


 84.2029, 0.2671,
0.3532

 76.2395, 0.2433,
0.3910

 87.2624, 0.2771,
0.3464

 75.7729, 0.2441,
0.3986

 90.8922, 0.2882,
0.3401

 95.1211, 0.3001,
0.3343

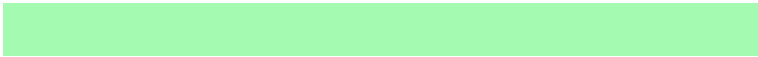
99.9759, 0.3127,
0.3290

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.



79.6725, 0.3013, 0.4154



79.6725, 0.2519, 0.3679



79.6725, 0.2204, 0.3109

Triad

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



79.6725, 0.2519, 0.3679



79.6725, 0.2634, 0.2423



79.6725, 0.4244, 0.3773

Complementary

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



79.6725, 0.2519, 0.3679



32.4565, 0.4619, 0.2982

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.



79.6725, 0.4142, 0.3336



79.6725, 0.2519, 0.3679



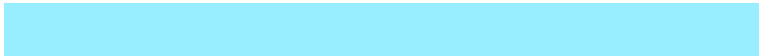
79.6725, 0.3164, 0.2597

Square

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



79.6725, 0.2519, 0.3679



79.6725, 0.2269, 0.2437



79.6725, 0.3731, 0.2921



79.6725, 0.4020, 0.4143

Rectangle

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



79.6725, 0.2519, 0.3679



79.6725, 0.2122, 0.2792



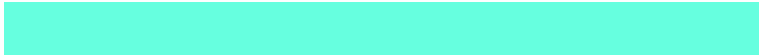
79.6725, 0.3731, 0.2921



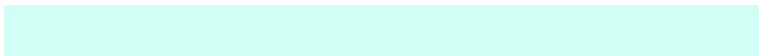
79.6725, 0.4248, 0.3630

Sweetspot

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



79.6673, 0.2519, 0.3679



91.7080, 0.2906, 0.3389



77.6326, 0.3194, 0.5149



19.3826, 0.2872, 0.3406



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.



79.6673, 0.2519, 0.3679



77.8672, 0.2463, 0.3771



56.9332, 0.2269, 0.2750



20.4127, 0.3008, 0.3340



39.6155, 0.2437, 0.3974



3.8728, 0.2413, 0.3886

Inverse Universe

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



32.4565, 0.4619, 0.2982



26.9375, 0.5107, 0.2970



42.5488, 0.4708, 0.3724



18.0491, 0.3261, 0.3241



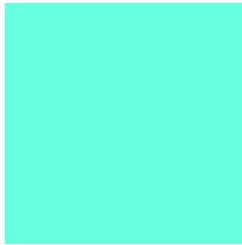
11.2615, 0.6056, 0.3110



1.1115, 0.5755, 0.2944

Previews

White Background



This preview shows how the Yxy color 79.6725, 0.2519, 0.3679 looks on a white background.

Color Contrast Check

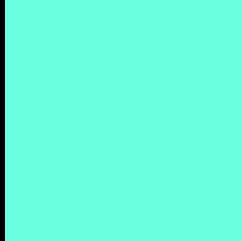
Large Text (above 18pt) WCAG AA × Fail

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 79.6725, 0.2519, 0.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

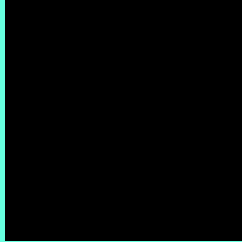
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.6725, 0.2519, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 79.6725, 0.2519, 0.3679.

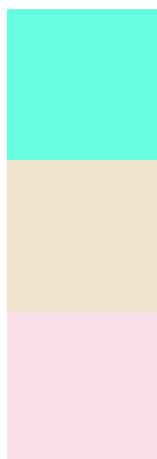


This preview shows how white text looks on a background with the Yxy color 79.6725, 0.2519, 0.3679.

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

79.6725, 0.2519, 0.3679

Protanopia

78.2180, 0.3329, 0.3500

Deuteranopia

78.2797, 0.3273, 0.3210



Tritanopia

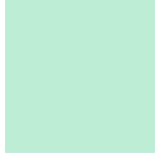
79.2703, 0.2633, 0.3145

Trichromacy



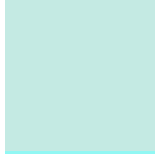
Original Color

79.6725, 0.2519, 0.3679



Protanomaly

76.7720, 0.2960, 0.3575



Deuteranomaly

76.1275, 0.2922, 0.3367



Tritanomaly

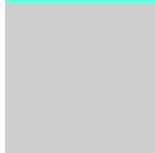
79.0123, 0.2579, 0.3335

Monochromacy



Original Color

79.6725, 0.2519, 0.3679



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3896, 0.2829, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6725, 0.2519, 0.3679 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 79.6725, 0.2519, 0.3679 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, 223) }
```

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

```
.border{ border-color:rgb(102, 255, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6725, 0.2519, 0.3679 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, 223) }
```

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

```
.background{ background-color: rgb(102,  
255, 223) }
```

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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