

Converting Colors

$Yxy(79.8350, 0.2507, 0.3641)$

Have a look what the booklet for
Yxy(79.8350, 0.2507, 0.3641)
contains.

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Color

Yxy(79.8358, 0.2507, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	66FFE2
RGB	102, 255, 226
RGB Percent	40%, 100%, 89%
CMY	0.5998, 0.0000, 0.1137
CMYK	0.60, 0.00, 0.11, 0.00
HSL	169°, 100%, 70%
HSV	169°, 60%, 100%
XYZ	54.9707, 79.8358, 84.4624
YIQ	205.9470, -81.8790, -41.4550

Conversions

Conversions Part 2

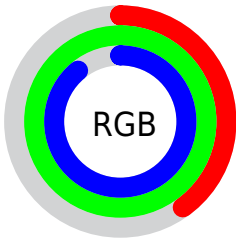
Format	Color
RYB	102, 187, 255
Decimal	6750178
CIELab	91.61, -47.26, 1.77
CIELCh	92, 47.292, 177.854
Yxy	79.8358, 0.2507, 0.3641
Android (android.graphics.Color)	4284940258 (0xFF66FFE2)
YUV	205.9470, 9.8861, -91.1615
Hunter-Lab	89.3509, -46.5468, 6.4995

Details

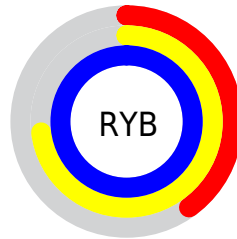
The Yxy color **79.8358, 0.2507, 0.3641** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.4134, 0.4655, 0.3012**, and the grayscale version is **61.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **42.8792, 0.2365, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **78.3085, 0.2457, 0.3710**, and if you desaturate by 10%, it is **81.8348, 0.2576, 0.3574**.

Distribution



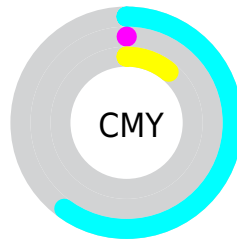
- Red (40%)
- Green (100%)
- Blue (89%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8358, 0.2507, 0.3641 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 79.8358, 0.2507, 0.3641 by changing the saturation by 10% instead.


 79.8358, 0.2507,
0.3641


 79.8358, 0.2507,
0.3641


494.3793, 0.2788,
0.3481


 59.5832, 0.2445,
0.3677

 133.1349, 0.2603,
0.3586

 43.0828, 0.2368,
0.3721


 166.9501, 0.2641,
0.3564

 29.9501, 0.2273,
0.3776


 206.0551, 0.2674,
0.3546

 19.8007, 0.2151,
0.3848

250.8342, 0.2702,
0.3529

 12.2503, 0.1989,
0.3943

301.6717, 0.2727,
0.3515

 6.9144, 0.1767,
0.4076


358.9522, 0.2750,


 3.4086, 0.1444,


0.3502


0.4273


423.0599, 0.2770,
0.3491


 1.3486, 0.0250,
0.4945


 0.1784, 0.0000,
0.7170

 79.8358, 0.2507,
0.3641


 79.8358, 0.2507,
0.3641


 78.3085, 0.2457,
0.3710


 81.8348, 0.2576,
0.3574


 77.2001, 0.2427,
0.3780

 84.3345, 0.2663,
0.3509

 76.4618, 0.2416,
0.3849

 87.3719, 0.2764,
0.3448

 76.0087, 0.2422,
0.3918

 90.9783, 0.2877,
0.3390

■ 76.0078, 0.2422,
0.3918

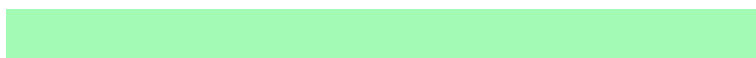
■ 95.1823, 0.2999,
0.3338

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.



79.8358, 0.2986, 0.4118



79.8358, 0.2507, 0.3641



79.8358, 0.2208, 0.3085

Triad

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



79.8358, 0.2507, 0.3641



79.8358, 0.2668, 0.2441



79.8358, 0.4221, 0.3790

Complementary

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



79.8358, 0.2507, 0.3641



32.4134, 0.4655, 0.3012

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.



79.8358, 0.4138, 0.3361



79.8358, 0.2507, 0.3641



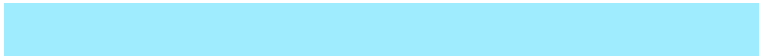
79.8358, 0.3196, 0.2623

Square

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



79.8358, 0.2507, 0.3641



79.8358, 0.2297, 0.2445



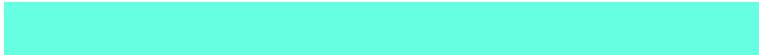
79.8358, 0.3749, 0.2948



79.8358, 0.3986, 0.4146

Rectangle

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



79.8358, 0.2507, 0.3641



79.8358, 0.2135, 0.2779



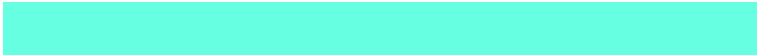
79.8358, 0.3749, 0.2948



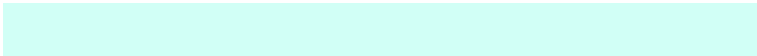
79.8358, 0.4231, 0.3650

Sweetspot

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



79.8389, 0.2507, 0.3641



91.7620, 0.2901, 0.3380



77.4379, 0.3180, 0.5155



19.3959, 0.2866, 0.3396



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.



79.8389, 0.2507, 0.3641



78.0520, 0.2449, 0.3724



55.7058, 0.2262, 0.2718



20.4189, 0.3005, 0.3335



39.7369, 0.2419, 0.3907



3.8836, 0.2397, 0.3828

Inverse Universe

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



32.4134, 0.4655, 0.3012



26.8626, 0.5158, 0.3003



43.3806, 0.4686, 0.3749



18.0433, 0.3264, 0.3245



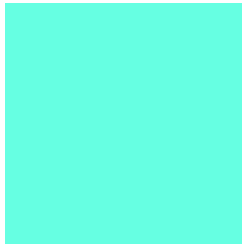
11.2378, 0.6107, 0.3138



1.1084, 0.5814, 0.2976

Previews

White Background



This preview shows how the Yxy color 79.8358, 0.2507, 0.3641 looks on a white background.

Color Contrast Check

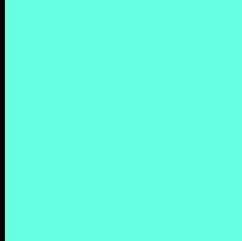
Large Text (above 18pt) WCAG AA × Fail

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 79.8358, 0.2507, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

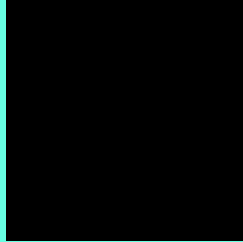
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8358, 0.2507, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 79.8358, 0.2507, 0.3641.



This preview shows how white text looks on a background with the Yxy color 79.8358, 0.2507, 0.3641.

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

79.8358, 0.2507, 0.3641

Protanopia

78.1945, 0.3302, 0.3469

Deuteranopia

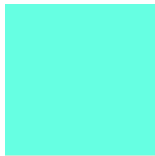
78.2655, 0.3246, 0.3180



Tritanopia

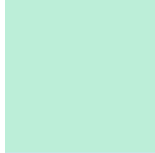
79.2703, 0.2633, 0.3145

Trichromacy



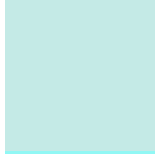
Original Color

79.8358, 0.2507, 0.3641



Protanomaly

76.7983, 0.2937, 0.3540



Deuteranomaly

76.2946, 0.2905, 0.3334



Tritanomaly

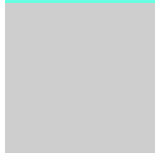
79.0729, 0.2575, 0.3323

Monochromacy



Original Color

79.8358, 0.2507, 0.3641



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.4402, 0.2823, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8358, 0.2507, 0.3641 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 79.8358, 0.2507, 0.3641 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, 226) }
```

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

```
.border{ border-color:rgb(102, 255, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8358, 0.2507, 0.3641 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, 226) }
```

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

```
.background{ background-color: rgb(102,  
255, 226) }
```

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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