

Converting Colors

$Yxy(79.6601, 0.2483, 0.3616)$

Have a look what the booklet for
Yxy(79.6601, 0.2483, 0.3616)
contains.

Yxy(79.6628, 0.2483, 0.3617)	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(79.6628, 0.2483, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	61FFE4
RGB	97, 255, 228
RGB Percent	38%, 100%, 89%
CMY	0.6199, 0.0000, 0.1059
CMYK	0.62, 0.00, 0.11, 0.00
HSL	170°, 100%, 69%
HSV	170°, 62%, 100%
XYZ	54.6870, 79.6628, 85.8957
YIQ	204.6800, -85.5010, -41.8930

Conversions

Conversions Part 2

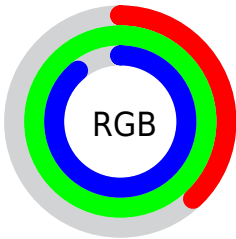
Format	Color
RYB	97, 183, 255
Decimal	6422500
CIELab	91.53, -47.64, 0.60
CIELCh	92, 47.645, 179.275
Yxy	79.6628, 0.2483, 0.3617
Android (android.graphics.Color)	4284612580 (0xFF61FFE4)
YUV	204.6800, 11.4968, -94.4354
Hunter-Lab	89.2540, -46.8255, 5.4187

Details

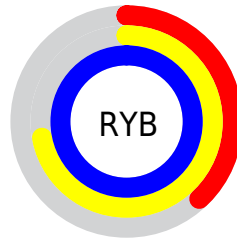
The Yxy color **79.6628, 0.2483, 0.3617** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **31.2478, 0.4777, 0.3038**, and the grayscale version is **60.7868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **42.9496, 0.2355, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **78.2385, 0.2435, 0.3679**, and if you desaturate by 10%, it is **81.5350, 0.2550, 0.3556**.

Distribution



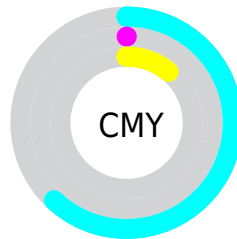
- Red (38%)
- Green (100%)
- Blue (89%)



- Red (38%)
- Yellow (72%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.6628, 0.2483, 0.3617 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 79.6628, 0.2483, 0.3617 by changing the saturation by 10% instead.


 79.6628, 0.2483,
0.3617

 79.6628, 0.2483,
0.3617


493.7957, 0.2774,
0.3469

 59.4409, 0.2418,
0.3650

 132.8915, 0.2583,
0.3566

 42.9682, 0.2340,
0.3690


 166.6672, 0.2622,
0.3546

 29.8601, 0.2241,
0.3741

 205.7295, 0.2656,
0.3529

 19.7324, 0.2116,
0.3805

250.4630, 0.2685,
0.3514

 12.2007, 0.1950,
0.3891

301.2519, 0.2711,
0.3501

 6.8805, 0.1722,
0.4009


358.4808, 0.2735,


 3.3875, 0.1395,


0.3489


0.4180


422.5339, 0.2755,
0.3478


 1.3372, 0.0181,
0.4795


 0.1698, 0.0000,
0.5433


 79.6628, 0.2483,
0.3617

 79.6628, 0.2483,
0.3617


 78.2385, 0.2435,
0.3679


 81.5350, 0.2550,
0.3556


 77.2291, 0.2408,
0.3741

 83.9062, 0.2635,
0.3498

 76.5765, 0.2399,
0.3803

 86.8072, 0.2735,
0.3442

 76.2460, 0.2403,
0.3852

 90.2697, 0.2848,
0.3390

 94.3228, 0.2971,
0.3342

 98.9935, 0.3101,
0.3298

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.



79.6628, 0.2959, 0.4109



79.6628, 0.2483, 0.3617



79.6628, 0.2193, 0.3058

Triad

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



79.6628, 0.2483, 0.3617



79.6628, 0.2687, 0.2440



79.6628, 0.4225, 0.3812

Complementary

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



79.6628, 0.2483, 0.3617



31.2478, 0.4777, 0.3038

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.



79.6628, 0.4158, 0.3381



79.6628, 0.2483, 0.3617



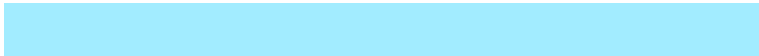
79.6628, 0.3223, 0.2630

Square

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



79.6628, 0.2483, 0.3617



79.6628, 0.2304, 0.2434



79.6628, 0.3778, 0.2964



79.6628, 0.3974, 0.4165

Rectangle

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



79.6628, 0.2483, 0.3617



79.6628, 0.2127, 0.2756



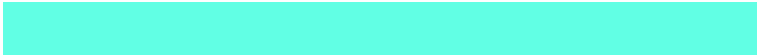
79.6628, 0.3778, 0.2964



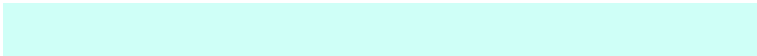
79.6628, 0.4240, 0.3672

Sweetspot

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



79.6588, 0.2483, 0.3617



91.4192, 0.2884, 0.3375



76.8097, 0.3164, 0.5226



19.3320, 0.2850, 0.3390



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.



79.6588, 0.2483, 0.3617



78.0044, 0.2428, 0.3691



53.3917, 0.2231, 0.2660



20.4251, 0.3003, 0.3331



39.8598, 0.2400, 0.3841



3.8944, 0.2381, 0.3771

Inverse Universe

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



31.2478, 0.4777, 0.3038



26.0833, 0.5293, 0.3038



42.9825, 0.4740, 0.3785



18.0377, 0.3267, 0.3250



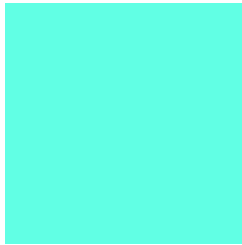
11.2167, 0.6152, 0.3163



1.1055, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 79.6628, 0.2483, 0.3617 looks on a white background.

Color Contrast Check

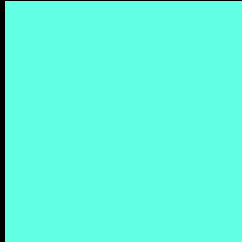
Large Text (above 18pt) WCAG AA × Fail

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 79.6628, 0.2483, 0.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

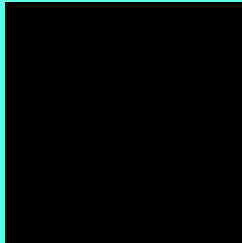
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

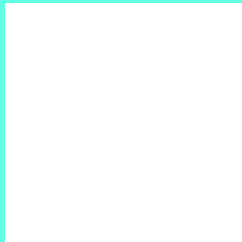
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.6628, 0.2483, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 79.6628, 0.2483, 0.3617.

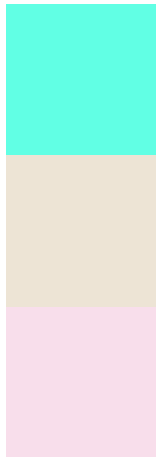


This preview shows how white text looks on a background with the Yxy color 79.6628, 0.2483, 0.3617.

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

79.6628, 0.2483, 0.3617

Protanopia

78.2954, 0.3288, 0.3448

Deuteranopia

78.1972, 0.3225, 0.3159



Tritanopia

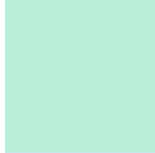
79.0491, 0.2623, 0.3144

Trichromacy



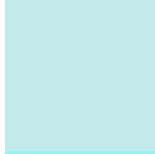
Original Color

79.6628, 0.2483, 0.3617



Protanomaly

76.6501, 0.2913, 0.3518



Deuteranomaly

76.0093, 0.2875, 0.3312



Tritanomaly

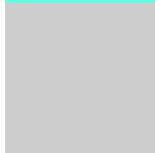
78.8649, 0.2557, 0.3311

Monochromacy



Original Color

79.6628, 0.2483, 0.3617



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6864, 0.2810, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6628, 0.2483, 0.3617 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(97, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 228)  
}
```

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(97, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 79.6628, 0.2483, 0.3617 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(97, 255, 228) }
```

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

```
.border{ border-color:rgb(97, 255, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(97, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6628, 0.2483, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 228) }
```

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

```
.background{ background-color: rgb(97, 255,  
228) }
```

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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