

Converting Colors

$Yxy(79.6191, 0.2524, 0.3692)$

Have a look what the booklet for
Yxy(79.6191, 0.2524, 0.3692)
contains.

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Color

Yxy(79.6187, 0.2524, 0.3692)

Conversions

Conversions Part 1

Format	Color
Hex	66FFDE
RGB	102, 255, 222
RGB Percent	40%, 100%, 87%
CMY	0.5997, 0.0000, 0.1294
CMYK	0.60, 0.00, 0.13, 0.00
HSL	167°, 100%, 70%
HSV	167°, 60%, 100%
XYZ	54.4306, 79.6187, 81.6027
YIQ	205.4910, -80.5950, -42.6990

Conversions

Conversions Part 2

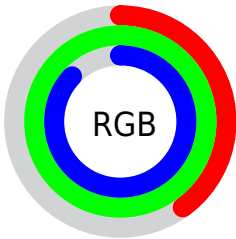
Format	Color
RYB	102, 188, 255
Decimal	6750174
CIELab	91.51, -48.21, 3.70
CIELCh	92, 48.349, 175.611
Yxy	79.6187, 0.2524, 0.3692
Android (android.graphics.Color)	4284940254 (0xFF66FFDE)
YUV	205.4910, 8.1389, -90.7616
Hunter-Lab	89.2293, -47.2649, 8.2382

Details

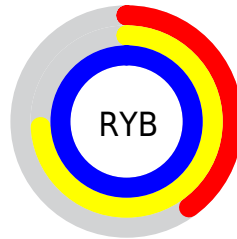
The Yxy color **79.6187, 0.2524, 0.3692** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.5310, 0.4601, 0.2971**, and the grayscale version is **61.3805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **42.7419, 0.2385, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **78.0623, 0.2476, 0.3772**, and if you desaturate by 10%, it is **81.6491, 0.2591, 0.3615**.

Distribution



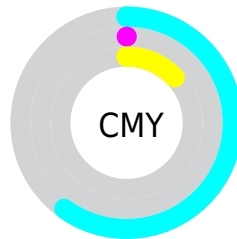
- Red (40%)
- Green (100%)
- Blue (87%)



- Red (40%)
- Yellow (74%)
- 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 79.6187, 0.2524, 0.3692 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 79.6187, 0.2524, 0.3692 by changing the saturation by 10% instead.


 79.6187, 0.2524,
0.3692


 79.6187, 0.2524,
0.3692

493.6469, 0.2798,
0.3507

 59.4046, 0.2463,
0.3734


 132.8295, 0.2618,
0.3628

 42.9389, 0.2388,
0.3786


 166.5950, 0.2655,
0.3603

 29.8372, 0.2294,
0.3851


 205.6465, 0.2687,
0.3581

 19.7151, 0.2173,
0.3937

250.3683, 0.2715,
0.3563

 12.1881, 0.2013,
0.4051

301.1449, 0.2739,
0.3546

 6.8719, 0.1791,
0.4215


358.3606, 0.2761,


 3.3821, 0.1466,


0.3531


422.3998, 0.2781,
0.3518


0.4462


 1.3343, 0.0138,
0.5321

 0.1676, 0.0000,
1.0000


 79.6187, 0.2524,
0.3692


 79.6187, 0.2524,
0.3692


 78.0623, 0.2476,
0.3772


 81.6491, 0.2591,
0.3615


 76.9270, 0.2448,
0.3852

 84.1823, 0.2675,
0.3540

 76.1638, 0.2440,
0.3932

 87.2555, 0.2774,
0.3470

 75.6882, 0.2448,
0.4011

 90.8999, 0.2884,
0.3405

 75.6867, 0.2448,
0.4012

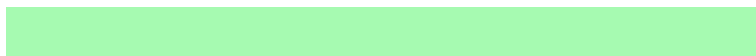
 95.1443, 0.3003,
0.3344

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



79.6187, 0.3022, 0.4166



79.6187, 0.2524, 0.3692



79.6187, 0.2204, 0.3118

Triad

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



79.6187, 0.2524, 0.3692



79.6187, 0.2623, 0.2417



79.6187, 0.4251, 0.3767

Complementary

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



79.6187, 0.2524, 0.3692



32.5310, 0.4601, 0.2971

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.



79.6187, 0.4142, 0.3327



79.6187, 0.2524, 0.3692



79.6187, 0.3153, 0.2589

Square

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



79.6187, 0.2524, 0.3692



79.6187, 0.2260, 0.2435



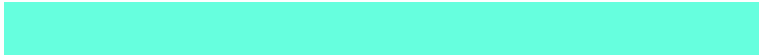
79.6187, 0.3724, 0.2912



79.6187, 0.4032, 0.4142

Rectangle

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



79.6187, 0.2524, 0.3692



79.6187, 0.2118, 0.2797



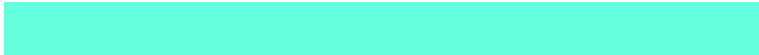
79.6187, 0.3724, 0.2912



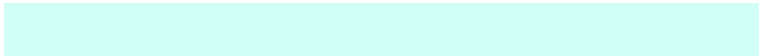
79.6187, 0.4253, 0.3622

Sweetspot

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



79.6218, 0.2524, 0.3692



91.6882, 0.2907, 0.3392



77.6482, 0.3194, 0.5146



19.3777, 0.2874, 0.3410



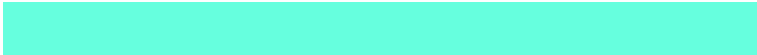
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6218, 0.2524, 0.3692



77.8004, 0.2469, 0.3788



56.9731, 0.2269, 0.2751



20.4104, 0.3009, 0.3342



39.5720, 0.2444, 0.3998



3.8689, 0.2419, 0.3908

Inverse Universe

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



32.5310, 0.4601, 0.2971



26.9657, 0.5089, 0.2958



42.5972, 0.4705, 0.3723



18.0512, 0.3260, 0.3239



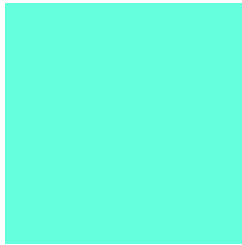
11.2708, 0.6037, 0.3099



1.1127, 0.5733, 0.2932

Previews

White Background



This preview shows how the Yxy color 79.6187, 0.2524, 0.3692 looks on a white background.

Color Contrast Check

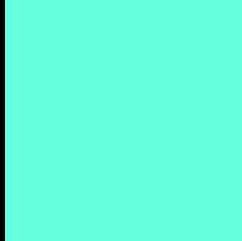
Large Text (above 18pt) WCAG AA × Fail

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 79.6187, 0.2524, 0.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

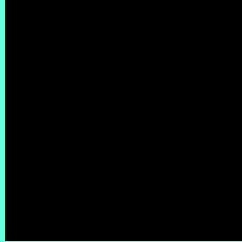
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.6187, 0.2524, 0.3692

Background



This preview shows how black text looks on a background with the Yxy color 79.6187, 0.2524, 0.3692.

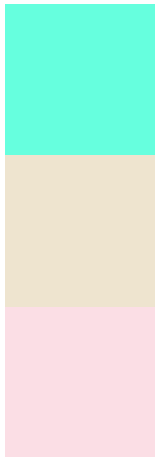


This preview shows how white text looks on a background with the Yxy color 79.6187, 0.2524, 0.3692.

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

79.6187, 0.2524, 0.3692

Protanopia

78.1689, 0.3336, 0.3511

Deuteranopia

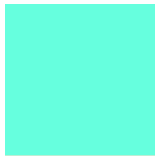
78.4089, 0.3287, 0.3220



Tritanopia

79.1593, 0.2628, 0.3145

Trichromacy



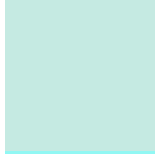
Original Color

79.6187, 0.2524, 0.3692



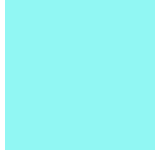
Protanomaly

76.7214, 0.2966, 0.3586



Deuteranomaly

76.2069, 0.2934, 0.3379



Tritanomaly

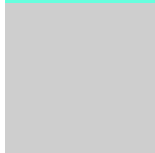
79.0123, 0.2579, 0.3335

Monochromacy



Original Color

79.6187, 0.2524, 0.3692



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 79.6187, 0.2524, 0.3692 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 79.6187, 0.2524, 0.3692 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, 222) }
```

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

```
.border{ border-color:rgb(102, 255, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6187, 0.2524, 0.3692 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, 222) }
```

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

```
.background{ background-color: rgb(102,  
255, 222) }
```

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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