

Converting Colors

$Y_{xy}(79.7054, 0.2561, 0.3749)$

Have a look what the booklet for
Yxy(79.7054, 0.2561, 0.3749)
contains.

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Color

Yxy(79.6556, 0.2562, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	6BFFD9
RGB	107, 255, 217
RGB Percent	42%, 100%, 85%
CMY	0.5802, 0.0000, 0.1492
CMYK	0.58, 0.00, 0.15, 0.00
HSL	165°, 100%, 71%
HSV	165°, 58%, 100%
XYZ	54.3482, 79.6556, 78.1282
YIQ	206.4160, -76.0100, -43.1940

Conversions

Conversions Part 2

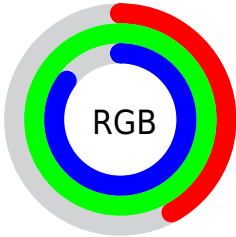
Format	Color
RYB	107, 192, 255
Decimal	7077849
CIELab	91.53, -48.49, 6.34
CIELCh	92, 48.901, 172.545
Yxy	79.6556, 0.2562, 0.3755
Android (android.graphics.Color)	4285267929 (0xFF6BFFD9)
YUV	206.4160, 5.2179, -87.1878
Hunter-Lab	89.2500, -47.4910, 10.5733

Details

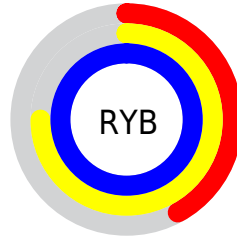
The Yxy color **79.6556, 0.2562, 0.3755** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.8348, 0.4447, 0.2914**, and the grayscale version is **62.0126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **42.7608, 0.2431, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **77.9674, 0.2513, 0.3851**, and if you desaturate by 10%, it is **81.8263, 0.2629, 0.3662**.

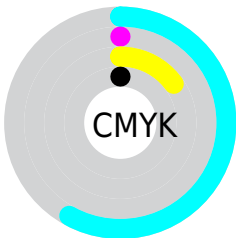
Distribution



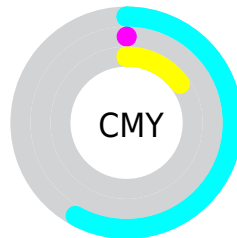
- Red (42%)
- Green (100%)
- Blue (85%)



- Red (42%)
- Yellow (75%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.6556, 0.2562, 0.3755 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 79.6556, 0.2562, 0.3755 by changing the saturation by 10% instead.

 79.6556, 0.2562,
0.3755


 79.6556, 0.2562,
0.3755

493.7714, 0.2821,
0.3538


 59.4350, 0.2504,
0.3805

 132.8814, 0.2651,
0.3680

 42.9634, 0.2432,
0.3867


 166.6554, 0.2686,
0.3650

 29.8564, 0.2343,
0.3945


 205.7160, 0.2716,
0.3625

 19.7296, 0.2227,
0.4048

250.4475, 0.2742,
0.3603

 12.1986, 0.2072,
0.4188

301.2345, 0.2765,
0.3584

 6.8791, 0.1856,
0.4390


358.4612, 0.2786,


 3.3866, 0.1536,


0.3567


0.4705

422.5120, 0.2804,
0.3552


 1.3367, 0.0128,
0.5780


 0.1694, 0.0000,
1.0000


 79.6556, 0.2562,
0.3755

 79.6556, 0.2562,
0.3755

 77.9674, 0.2513,
0.3851


 81.8263, 0.2629,
0.3662


 76.7147, 0.2485,
0.3949


 84.5123, 0.2713,
0.3573


 75.8491, 0.2476,
0.4046

 87.7487, 0.2810,
0.3490

 75.3025, 0.2486,
0.4142

 91.5661, 0.2917,
0.3412

 75.2130, 0.2489,
0.4161

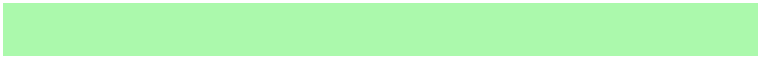
 95.9931, 0.3032,
0.3342

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.



79.6556, 0.3078, 0.4210



79.6556, 0.2562, 0.3755



79.6556, 0.2217, 0.3172

Triad

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



79.6556, 0.2562, 0.3755



79.6556, 0.2571, 0.2401



79.6556, 0.4268, 0.3726

Complementary

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



79.6556, 0.2562, 0.3755



33.8348, 0.4447, 0.2914

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.



79.6556, 0.4123, 0.3282



79.6556, 0.2562, 0.3755



79.6556, 0.3093, 0.2557

Square

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



79.6556, 0.2562, 0.3755



79.6556, 0.2225, 0.2440



79.6556, 0.3675, 0.2869



79.6556, 0.4077, 0.4118

Rectangle

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



79.6556, 0.2562, 0.3755



79.6556, 0.2114, 0.2835



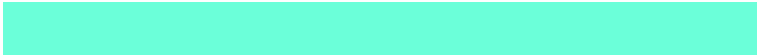
79.6556, 0.3675, 0.2869



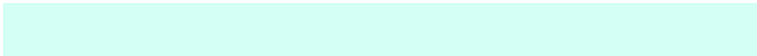
79.6556, 0.4259, 0.3579

Sweetspot

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



79.6571, 0.2562, 0.3755



91.9879, 0.2929, 0.3405



78.7405, 0.3237, 0.5061



19.5121, 0.2906, 0.3420



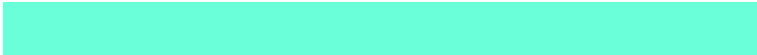
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.6571, 0.2562, 0.3755



77.6857, 0.2506, 0.3870



61.7882, 0.2312, 0.2867



20.3970, 0.3014, 0.3352



39.3260, 0.2485, 0.4145



3.8468, 0.2454, 0.4035

Inverse Universe

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



33.8348, 0.4447, 0.2914



27.9130, 0.4899, 0.2885



41.5433, 0.4686, 0.3639



18.0637, 0.3254, 0.3229



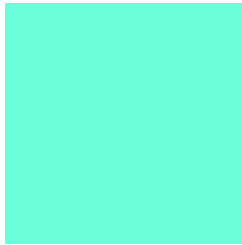
11.3320, 0.5913, 0.3031



1.1202, 0.5597, 0.2857

Previews

White Background



This preview shows how the Yxy color 79.6556, 0.2562, 0.3755 looks on a white background.

Color Contrast Check

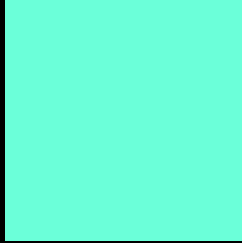
Large Text (above 18pt) WCAG AA × Fail

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 79.6556, 0.2562, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

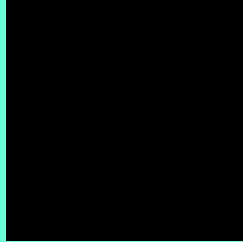
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.6556, 0.2562, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 79.6556, 0.2562, 0.3755.

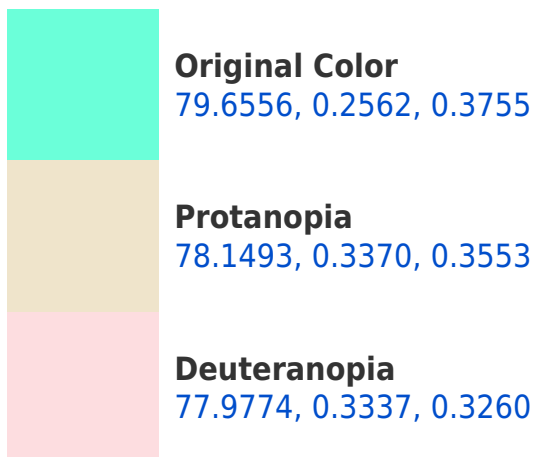


This preview shows how white text looks on a background with the Yxy color 79.6556, 0.2562, 0.3755.

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





Tritanopia

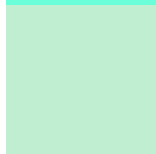
78.7885, 0.2637, 0.3134

Trichromacy



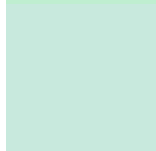
Original Color

79.6556, 0.2562, 0.3755



Protanomaly

76.7795, 0.3002, 0.3632



Deuteranomaly

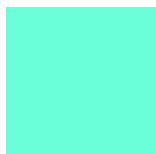
75.7776, 0.2982, 0.3424



Tritanomaly

78.5583, 0.2600, 0.3346

Monochromacy



Original Color

79.6556, 0.2562, 0.3755



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.5105, 0.2853, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6556, 0.2562, 0.3755 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(107, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 217)  
}
```

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(107, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 79.6556, 0.2562, 0.3755 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(107, 255, 217) }
```

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

```
.border{ border-color:rgb(107, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(107, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6556, 0.2562, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 217) }
```

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

```
.background{ background-color: rgb(107,  
255, 217) }
```

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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