

Converting Colors

$Y_{xy}(78.7165, 0.2561, 0.3794)$

Have a look what the booklet for
Yxy(78.7165, 0.2561, 0.3794)
contains.

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Color

Yxy(78.5713, 0.2563, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	67FED5
RGB	103, 254, 213
RGB Percent	40%, 100%, 84%
CMY	0.5965, 0.0039, 0.1647
CMYK	0.59, 0.00, 0.16, 0.00
HSL	164°, 99%, 70%
HSV	164°, 59%, 100%
XYZ	53.0361, 78.5713, 75.3225
YIQ	204.1770, -76.8350, -44.7630

Conversions

Conversions Part 2

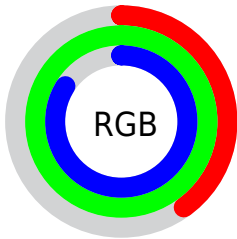
Format	Color
RYB	103, 190, 254
Decimal	6815445
CIELab	91.04, -49.74, 7.67
CIELCh	91, 50.330, 171.235
Yxy	78.5713, 0.2563, 0.3797
Android (android.graphics.Color)	4285005525 (0xFF67FED5)
YUV	204.1770, 4.3497, -88.7322
Hunter-Lab	88.6405, -48.3191, 11.6665

Details

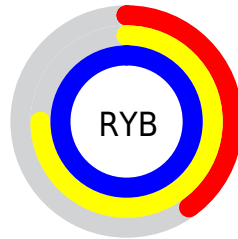
The Yxy color **78.5713, 0.2563, 0.3797** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.7633, 0.4471, 0.2887**, and the grayscale version is **60.4936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **42.0340, 0.2433, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **76.9528, 0.2518, 0.3899**, and if you desaturate by 10%, it is **80.6668, 0.2626, 0.3698**.

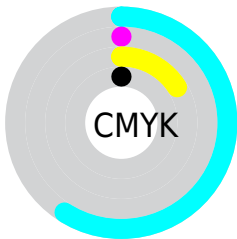
Distribution



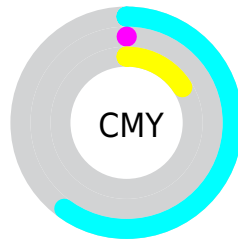
- Red (40%)
- Green (100%)
- Blue (84%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5713, 0.2563, 0.3797 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 78.5713, 0.2563, 0.3797 by changing the saturation by 10% instead.

 78.5713, 0.2563,
0.3797


 78.5713, 0.2563,
0.3797


490.1049, 0.2822,
0.3559

 58.5434, 0.2504,
0.3852


 131.3552, 0.2653,
0.3714

 42.2457, 0.2432,
0.3921


 164.8799, 0.2688,
0.3682

 29.2937, 0.2341,
0.4008


 203.6724, 0.2718,
0.3654

 19.3031, 0.2223,
0.4123

248.1171, 0.2744,
0.3630

 11.8895, 0.2065,
0.4281

298.5982, 0.2767,
0.3609

 6.6685, 0.1843,
0.4511


355.5003, 0.2788,


 3.2557, 0.1511,


0.3590


0.4874


419.2077, 0.2806,
0.3574

 1.2666, 0.0000,
0.6145

 0.1151, 0.0000,
1.0000


 78.5713, 0.2563,
0.3797

 78.5713, 0.2563,
0.3797


 76.9528, 0.2518,
0.3899


 80.6668, 0.2626,
0.3698

 75.7590, 0.2494,
0.4003


 83.2675, 0.2706,
0.3603


 74.9418, 0.2490,
0.4106

 86.4105, 0.2800,
0.3514

 74.4222, 0.2503,
0.4208

 90.1264, 0.2905,
0.3431

 74.3991, 0.2504,
0.4213

 94.4438, 0.3016,
0.3355

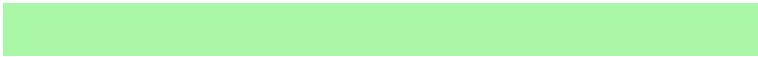
99.3320, 0.3131,
0.3287

99.3729, 0.3128,
0.3281

Harmonies

Analogous

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



78.5713, 0.3099, 0.4257



78.5713, 0.2563, 0.3797



78.5713, 0.2199, 0.3191

Triad

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



78.5713, 0.2563, 0.3797



78.5713, 0.2533, 0.2372



78.5713, 0.4307, 0.3717

Complementary

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



78.5713, 0.2563, 0.3797



32.7633, 0.4471, 0.2887

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.



78.5713, 0.4143, 0.3260



78.5713, 0.2563, 0.3797



78.5713, 0.3065, 0.2524

Square

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



78.5713, 0.2563, 0.3797



78.5713, 0.2188, 0.2420



78.5713, 0.3668, 0.2839



78.5713, 0.4121, 0.4127

Rectangle

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



78.5713, 0.2563, 0.3797



78.5713, 0.2087, 0.2838



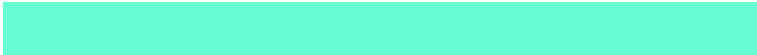
78.5713, 0.3668, 0.2839



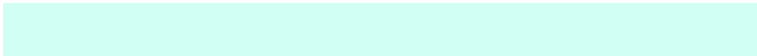
78.5713, 0.4293, 0.3565

Sweetspot

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



78.5744, 0.2563, 0.3797



91.5334, 0.2921, 0.3419



77.9545, 0.3250, 0.5099



19.3396, 0.2889, 0.3442



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.



78.5744, 0.2563, 0.3797



77.4237, 0.2513, 0.3915



61.8902, 0.2304, 0.2887



20.3924, 0.3016, 0.3355



39.2451, 0.2499, 0.4196



3.8395, 0.2467, 0.4080

Inverse Universe

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



32.7633, 0.4471, 0.2887



27.5830, 0.4901, 0.2860



39.5565, 0.4763, 0.3618



18.0680, 0.3251, 0.3226



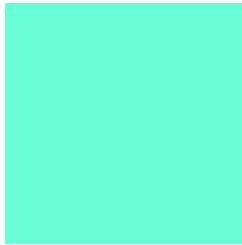
11.3558, 0.5867, 0.3006



1.1230, 0.5548, 0.2830

Previews

White Background



This preview shows how the Yxy color 78.5713, 0.2563, 0.3797 looks on a white background.

Color Contrast Check

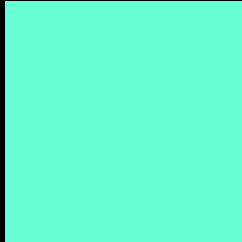
Large Text (above 18pt) WCAG AA × Fail

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 78.5713, 0.2563, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

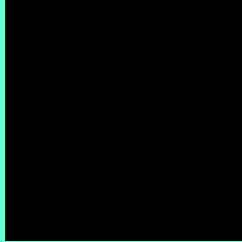
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

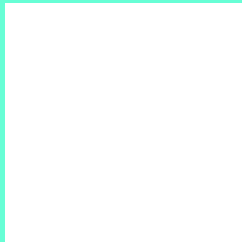
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5713, 0.2563, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 78.5713, 0.2563, 0.3797.



This preview shows how white text looks on a background with the Yxy color 78.5713, 0.2563, 0.3797.

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

78.5713, 0.2563, 0.3797

Protanopia

77.2388, 0.3391, 0.3586

Deuteranopia

77.0492, 0.3359, 0.3291



Tritanopia

78.1299, 0.2607, 0.3133

Trichromacy



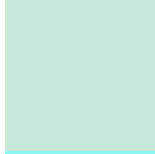
Original Color

78.5713, 0.2563, 0.3797



Protanomaly

75.7468, 0.3012, 0.3670



Deuteranomaly

74.7287, 0.2993, 0.3459



Tritanomaly

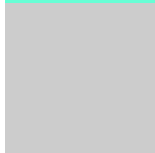
77.9536, 0.2578, 0.3358

Monochromacy



Original Color

78.5713, 0.2563, 0.3797



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.9630, 0.2851, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5713, 0.2563, 0.3797 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(103, 254, 213)` looks like.

```
.text, #text, p{  
    color:rgb(103, 254, 213)  
}
```

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(103, 254, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 254, 213) }
```

Border

The CSS property to change the border of an element to Yxy 78.5713, 0.2563, 0.3797 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(103, 254, 213) }
```

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

```
.border{ border-color:rgb(103, 254, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 254, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 254, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 254, 213);  
box-shadow:4px 4px 4px 4px rgb(103, 254,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5713, 0.2563, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 254, 213) }
```

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

```
.background{ background-color: rgb(103,  
254, 213) }
```

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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