

Converting Colors

$Y_{xy}(70.7757, 0.2522, 0.3748)$

Have a look what the booklet for
Yxy(70.7757, 0.2522, 0.3748)
contains.

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Color

Yxy(70.8303, 0.2525, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	5BF3CF
RGB	91, 243, 207
RGB Percent	36%, 95%, 81%
CMY	0.6429, 0.0471, 0.1884
CMYK	0.63, 0.00, 0.15, 0.05
HSL	166°, 86%, 66%
HSV	166°, 63%, 95%
XYZ	47.6289, 70.8303, 70.1701
YIQ	193.4480, -79.0360, -43.4200

Conversions

Conversions Part 2

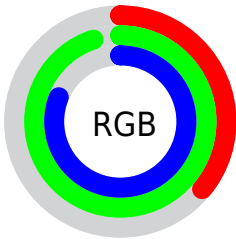
Format	Color
R_{YB}	91, 177, 243
Decimal	6026191
CIE _{Lab}	87.40, -48.56, 5.53
CIE _{LCh}	87, 48.870, 173.507
Yxy	70.8303, 0.2525, 0.3755
Android (android.graphics.Color)	4284216271 (0xFF5BF3CF)
YUV	193.4480, 6.6811, -89.8469
Hunter-Lab	84.1607, -46.2632, 9.4787

Details

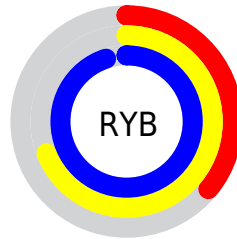
The Yxy color **70.8303, 0.2525, 0.3755** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **28.0846, 0.4649, 0.2931**, and the grayscale version is **53.6117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **37.4177, 0.2406, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **69.5137, 0.2483, 0.3843**, and if you desaturate by 10%, it is **72.5624, 0.2586, 0.3669**.

Distribution



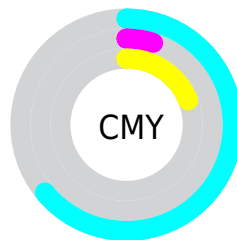
- Red (36%)
- Green (95%)
- Blue (81%)



- Red (36%)
- Yellow (69%)
- Blue (95%)



- Cyan (63%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)




- Cyan (64%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8303, 0.2525, 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 70.8303, 0.2525, 0.3755 by changing the saturation by 10% instead.


 70.8303, 0.2525,
0.3755


 70.8303, 0.2525,
0.3755

463.4600, 0.2806,
0.3534

 52.2037, 0.2461,
0.3807


 120.3921, 0.2623,
0.3677

 37.1675, 0.2381,
0.3871


 152.0960, 0.2661,
0.3647

 25.3372, 0.2280,
0.3954


 188.9279, 0.2693,
0.3622

 16.3285, 0.2148,
0.4064

 231.2721, 0.2722,
0.3600

 9.7569, 0.1969,
0.4217

279.5130, 0.2746,
0.3580

 5.2381, 0.1714,
0.4443

334.0351, 0.2769,

 2.3876, 0.1304,

0.3563

0.4819

395.2226, 0.2788,
0.3548

0.8195, 0.0000,
0.6183

0.0000, 0.0000,
0.0000

70.8303, 0.2525,
0.3755

70.8303, 0.2525,
0.3755

69.5137, 0.2483,
0.3843

72.5624, 0.2586,
0.3669

68.5642, 0.2462,
0.3933

74.7368, 0.2664,
0.3586


67.9357, 0.2460,
0.4021


77.3873, 0.2757,
0.3507


67.6201, 0.2469,
0.4087


80.5423, 0.2862,
0.3434

 84.2279, 0.2976,
0.3366

 88.4683, 0.3096,
0.3305

 92.0965, 0.3179,
0.3249

 92.4585, 0.3144,
0.3193

 92.5819, 0.3133,
0.3175

Harmonies

Analogous

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



70.8303, 0.3055, 0.4239



70.8303, 0.2525, 0.3755



70.8303, 0.2176, 0.3147

Triad

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



70.8303, 0.2525, 0.3755



70.8303, 0.2564, 0.2373



70.8303, 0.4311, 0.3753

Complementary

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



70.8303, 0.2525, 0.3755



28.0846, 0.4649, 0.2931

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.



70.8303, 0.4173, 0.3294



70.8303, 0.2525, 0.3755



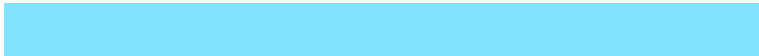
70.8303, 0.3110, 0.2540

Square

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



70.8303, 0.2525, 0.3755



70.8303, 0.2202, 0.2405



70.8303, 0.3715, 0.2866



70.8303, 0.4100, 0.4157

Rectangle

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



70.8303, 0.2525, 0.3755



70.8303, 0.2076, 0.2801



70.8303, 0.3715, 0.2866



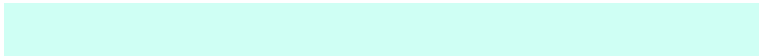
70.8303, 0.4306, 0.3601

Sweetspot

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



70.8331, 0.2525, 0.3755



91.2225, 0.2901, 0.3409



69.5299, 0.3219, 0.5204



19.2840, 0.2869, 0.3429



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.



70.8331, 0.2525, 0.3755



77.2368, 0.2476, 0.3867



52.3707, 0.2259, 0.2795



18.6867, 0.3012, 0.3347



37.1340, 0.2465, 0.4073



3.2795, 0.2434, 0.3962

Inverse Universe

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



28.0846, 0.4649, 0.2931



26.0052, 0.5153, 0.2924



35.5265, 0.4838, 0.3680



16.5469, 0.3256, 0.3234



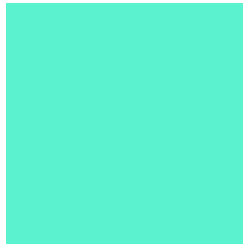
10.6409, 0.5971, 0.3063



0.9506, 0.5624, 0.2872

Previews

White Background



This preview shows how the Yxy color 70.8303, 0.2525, 0.3755 looks on a white background.

Color Contrast Check

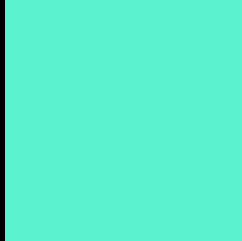
Large Text (above 18pt) WCAG AA × Fail

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 70.8303, 0.2525, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

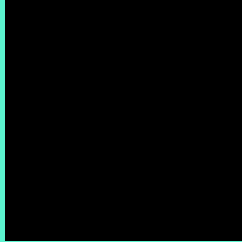
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8303, 0.2525, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 70.8303, 0.2525, 0.3755.



This preview shows how white text looks on a background with the Yxy color 70.8303, 0.2525, 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



Original Color

70.8303, 0.2525, 0.3755

Protanopia

69.8069, 0.3367, 0.3555

Deuteranopia

69.2989, 0.3318, 0.3248



Tritanopia

70.6556, 0.2372, 0.3062

Trichromacy



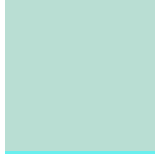
Original Color

70.8303, 0.2525, 0.3755



Protanomaly

67.9349, 0.2977, 0.3627



Deuteranomaly

67.2600, 0.2943, 0.3419



Tritanomaly

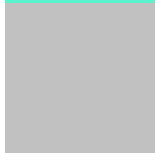
70.8491, 0.2423, 0.3300

Monochromacy



Original Color

70.8303, 0.2525, 0.3755



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

57.7337, 0.2826, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8303, 0.2525, 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(91, 243, 207)` looks like.

```
.text, #text, p{  
    color:rgb(91, 243, 207)  
}
```

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(91, 243, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 243, 207) }
```

Border

The CSS property to change the border of an element to Yxy 70.8303, 0.2525, 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(91, 243, 207) }
```

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

```
.border{ border-color:rgb(91, 243, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 243, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 243, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 243, 207);  
box-shadow:4px 4px 4px 4px rgb(91, 243,  
207) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.8303, 0.2525, 0.3755$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 243, 207) }
```

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

```
.background{ background-color: rgb(91, 243,  
207) }
```

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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