

Converting Colors

$Y_{xy}(75.7271, 0.2604, 0.4126)$

Have a look what the booklet for
Yxy(75.7271, 0.2604, 0.4126)
contains.

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Color

Yxy(75.7637, 0.2604, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	53FDBD
RGB	83, 253, 189
RGB Percent	33%, 99%, 74%
CMY	0.6740, 0.0079, 0.2588
CMYK	0.67, 0.00, 0.25, 0.01
HSL	157°, 98%, 66%
HSV	157°, 67%, 99%
XYZ	47.8856, 75.7637, 60.2432
YIQ	194.8740, -80.7760, -55.9440

Conversions

Conversions Part 2

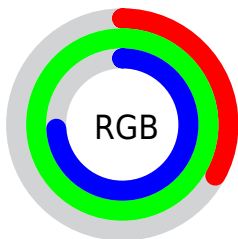
Format	Color
R _Y B	83, 188, 253
Decimal	5504445
CIE Lab	89.75, -57.96, 18.14
CIE LCh	90, 60.733, 162.624
Yxy	75.7637, 0.2604, 0.4120
Android (android.graphics.Color)	4283694525 (0xFF53FDBD)
YUV	194.8740, -2.8959, -98.1135
Hunter-Lab	87.0423, -54.1239, 19.8942

Details

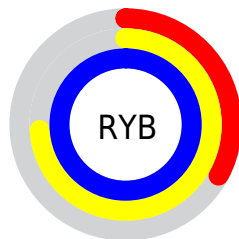
The Yxy color **75.7637, 0.2604, 0.4120** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **29.1979, 0.4493, 0.2684**, and the grayscale version is **54.5694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5966, 0.2606, 0.3401**, and **40.8078, 0.2531, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **74.4159, 0.2584, 0.4268**, and if you desaturate by 10%, it is **77.5645, 0.2644, 0.3974**.

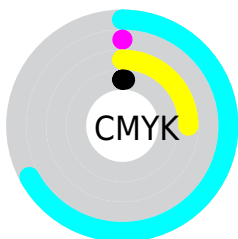
Distribution



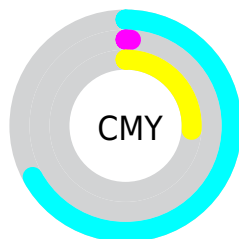
- Red (33%)
- Green (99%)
- Blue (74%)



- Red (33%)
- Yellow (74%)
- Blue (99%)



- Cyan (67%)
- Magenta (0%)
- Yellow (25%)
- Black (1%)





- Cyan (67%)
- Magenta (1%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7637, 0.2604, 0.4120 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 75.7637, 0.2604, 0.4120 by changing the saturation by 10% instead.


 75.7637, 0.2604,
0.4120


 75.7637, 0.2604,
0.4120


480.5384, 0.2854,
0.3717

 56.2388, 0.2545,
0.4217

 127.3928, 0.2692,
0.3976


 40.3944, 0.2472,
0.4338


 160.2658, 0.2726,
0.3922

 27.8462, 0.2378,
0.4496


 198.3569, 0.2755,
0.3875

 18.2097, 0.2253,
0.4709


 242.0506, 0.2780,
0.3835

 11.1007, 0.2080,
0.5008

291.7312, 0.2802,
0.3800

 6.1346, 0.1826,
0.5459


347.7831, 0.2821,

 2.9271, 0.1408,

0.3769

0.6214


410.5907, 0.2838,
0.3741

 1.0938, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 75.7637, 0.2604,
0.4120


 75.7637, 0.2604,
0.4120


 74.4159, 0.2584,
0.4268


 77.5645, 0.2644,
0.3974

 73.4634, 0.2584,
0.4416


 79.8507, 0.2703,
0.3833

 72.8468, 0.2604,
0.4560


 82.6620, 0.2776,
0.3700

 72.7056, 0.2611,
0.4601

 86.0312, 0.2861,
0.3575

 89.9886, 0.2955,
0.3461

 94.5622, 0.3054,
0.3358

 98.7279, 0.3128,
0.3271

Harmonies

Analogous

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



75.7637, 0.3277, 0.4578



75.7637, 0.2604, 0.4120



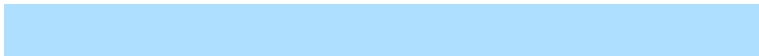
75.7637, 0.2107, 0.3367

Triad

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



75.7637, 0.2604, 0.4120



75.7637, 0.2267, 0.2189



75.7637, 0.4552, 0.3618

Complementary

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



75.7637, 0.2604, 0.4120



29.1979, 0.4493, 0.2684

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.



75.7637, 0.4234, 0.3087



75.7637, 0.2604, 0.4120



75.7637, 0.2842, 0.2308

Square

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



75.7637, 0.2604, 0.4120



75.7637, 0.1942, 0.2307



75.7637, 0.3574, 0.2626



75.7637, 0.4426, 0.4142

Rectangle

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



75.7637, 0.2604, 0.4120



75.7637, 0.1927, 0.2897



75.7637, 0.3574, 0.2626



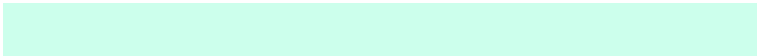
75.7637, 0.4495, 0.3438

Sweetspot

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



75.7667, 0.2604, 0.4120



90.4011, 0.2928, 0.3493



77.1928, 0.3337, 0.5263



19.1044, 0.2901, 0.3525



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.



75.7667, 0.2604, 0.4120



75.3411, 0.2581, 0.4326



67.3147, 0.2284, 0.3045



20.3586, 0.3030, 0.3381



38.7075, 0.2605, 0.4577



3.7901, 0.2559, 0.4414

Inverse Universe

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



29.1979, 0.4493, 0.2684



24.9241, 0.4945, 0.2673



31.1976, 0.5220, 0.3471



18.1003, 0.3235, 0.3201



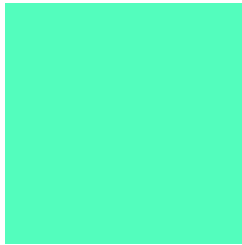
11.5773, 0.5478, 0.2791



1.1476, 0.5169, 0.2621

Previews

White Background



This preview shows how the Yxy color 75.7637, 0.2604, 0.4120 looks on a white background.

Color Contrast Check

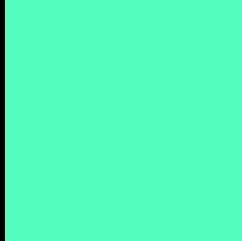
Large Text (above 18pt) WCAG AA × Fail

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 75.7637, 0.2604, 0.4120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

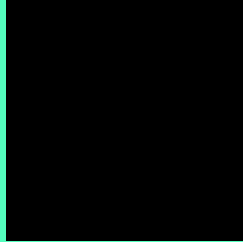
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7637, 0.2604, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 75.7637, 0.2604, 0.4120.



This preview shows how white text looks on a background with the Yxy color 75.7637, 0.2604, 0.4120.

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

75.7637, 0.2604, 0.4120

Protanopia

74.0476, 0.3565, 0.3805

Deuteranopia

73.8921, 0.3557, 0.3475



Tritanopia

75.0640, 0.2514, 0.3105

Trichromacy



Original Color

75.7637, 0.2604, 0.4120



Protanomaly

72.0860, 0.3110, 0.3936



Deuteranomaly

71.2711, 0.3101, 0.3699



Tritanomaly

74.6818, 0.2535, 0.3446

Monochromacy



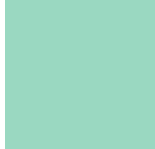
Original Color

75.7637, 0.2604, 0.4120



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

59.8320, 0.2848, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7637, 0.2604, 0.4120 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(83, 253, 189)` looks like.

```
.text, #text, p{  
    color:rgb(83, 253, 189)  
}
```

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(83, 253, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 253, 189) }
```

Border

The CSS property to change the border of an element to Yxy 75.7637, 0.2604, 0.4120 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(83, 253, 189) }
```

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

```
.border{ border-color:rgb(83, 253, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 253, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 253, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 253, 189);  
box-shadow:4px 4px 4px 4px rgb(83, 253,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7637, 0.2604, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 253, 189) }
```

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

```
.background{ background-color: rgb(83, 253,  
189) }
```

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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