

Converting Colors

$Y_{xy}(69.5200, 0.2526, 0.4020)$

Have a look what the booklet for
Yxy(69.5200, 0.2526, 0.4020)
contains.

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Color

Yxy(69.4758, 0.2526, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	3FF4BE
RGB	63, 244, 190
RGB Percent	25%, 96%, 75%
CMY	0.7526, 0.0431, 0.2549
CMYK	0.74, 0.00, 0.22, 0.04
HSL	162°, 89%, 60%
HSV	162°, 74%, 96%
XYZ	43.6992, 69.4758, 59.8225
YIQ	183.7250, -90.5420, -55.1660

Conversions

Conversions Part 2

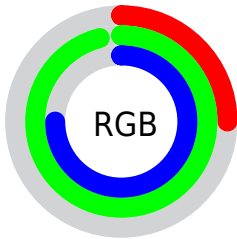
Format	Color
R _{YB}	63, 169, 244
Decimal	4191422
CIE _{Lab}	86.74, -56.93, 13.33
CIE _{LCh}	87, 58.475, 166.823
Yxy	69.4758, 0.2526, 0.4016
Android (android.graphics.Color)	4282381502 (0xFF3FF4BE)
YUV	183.7250, 3.0936, -105.8758
Hunter-Lab	83.3521, -52.2838, 15.7936

Details

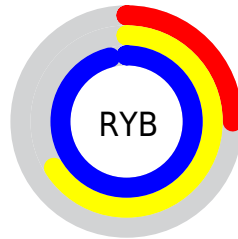
The Yxy color **69.4758, 0.2526, 0.4016** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.0853, 0.4938, 0.2811**, and the grayscale version is **47.8095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3247, 0.2539, 0.3391**, and **37.3468, 0.2495, 0.4181** is the 20% darker color. If you saturate the color by 10%, you get **68.5334, 0.2513, 0.4131**, and if you desaturate by 10%, it is **70.7953, 0.2559, 0.3902**.

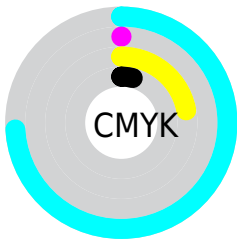
Distribution



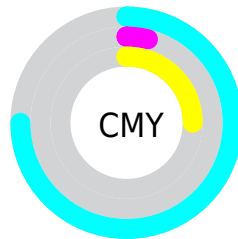
- Red (25%)
- Green (96%)
- Blue (75%)



- Red (25%)
- Yellow (66%)
- Blue (96%)



- Cyan (74%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)




- Cyan (75%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4758, 0.2526, 0.4016 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 69.4758, 0.2526, 0.4016 by changing the saturation by 10% instead.


 69.4758, 0.2526,
0.4016


 69.4758, 0.2526,
0.4016


458.7073, 0.2813,
0.3661


 51.0993, 0.2459,
0.4102


 118.4609, 0.2627,
0.3889

 36.2876, 0.2375,
0.4210


 149.8383, 0.2666,
0.3841

 24.6564, 0.2267,
0.4351


 186.3181, 0.2699,
0.3800

 15.8213, 0.2124,
0.4542

 228.2847, 0.2728,
0.3765

 9.3978, 0.1927,
0.4815

276.1226, 0.2753,
0.3734

 5.0015, 0.1640,
0.5230

330.2160, 0.2775,

 2.2482, 0.1001,

0.3707

0.6059

390.9495, 0.2795,
0.3683

0.7461, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.4758, 0.2526,
0.4016

69.4758, 0.2526,
0.4016

68.5334, 0.2513,
0.4131

70.7953, 0.2559,
0.3902


67.9088, 0.2520,
0.4245


72.5257, 0.2612,
0.3790


67.6474, 0.2531,
0.4310

74.7059, 0.2682,
0.3683


77.3680, 0.2767,
0.3581

 80.5411, 0.2864,
0.3486

 84.2520, 0.2969,
0.3399

 88.5256, 0.3080,
0.3320

 92.7546, 0.3173,
0.3249

 93.1807, 0.3132,
0.3185

Harmonies

Analogous

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



69.4758, 0.3179, 0.4532



69.4758, 0.2526, 0.4016



69.4758, 0.2067, 0.3262

Triad

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



69.4758, 0.2526, 0.4016



69.4758, 0.2340, 0.2200



69.4758, 0.4549, 0.3692

Complementary

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



69.4758, 0.2526, 0.4016



24.0853, 0.4938, 0.2811

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.



69.4758, 0.4293, 0.3161



69.4758, 0.2526, 0.4016



69.4758, 0.2941, 0.2348

Square

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



69.4758, 0.2526, 0.4016



69.4758, 0.1980, 0.2283



69.4758, 0.3673, 0.2688



69.4758, 0.4367, 0.4203

Rectangle

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



69.4758, 0.2526, 0.4016



69.4758, 0.1914, 0.2816



69.4758, 0.3673, 0.2688



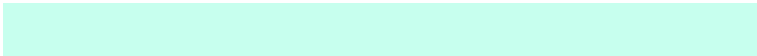
69.4758, 0.4513, 0.3513

Sweetspot

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



69.4785, 0.2526, 0.4016



89.8365, 0.2885, 0.3468



68.8682, 0.3241, 0.5493



19.0051, 0.2858, 0.3492



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.



69.4785, 0.2526, 0.4016



75.3665, 0.2514, 0.4189



52.6150, 0.2186, 0.2812



18.6686, 0.3020, 0.3362



36.8086, 0.2526, 0.4292



3.2532, 0.2486, 0.4150

Inverse Universe

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



24.0853, 0.4938, 0.2811



22.9336, 0.5482, 0.2873



28.5693, 0.5388, 0.3605



16.5639, 0.3247, 0.3220



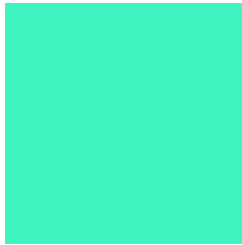
10.7392, 0.5769, 0.2952



0.9612, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 69.4758, 0.2526, 0.4016 looks on a white background.

Color Contrast Check

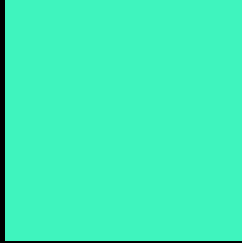
Large Text (above 18pt) WCAG AA × Fail

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 69.4758, 0.2526, 0.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

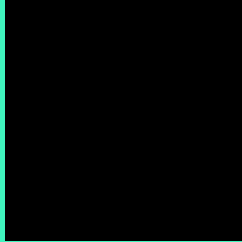
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4758, 0.2526, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 69.4758, 0.2526, 0.4016.

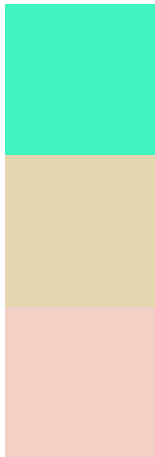


This preview shows how white text looks on a background with the Yxy color 69.4758, 0.2526, 0.4016.

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

69.4758, 0.2526, 0.4016

Protanopia

68.2294, 0.3500, 0.3724

Deuteranopia

68.0662, 0.3462, 0.3398



Tritanopia

69.0592, 0.2321, 0.3058

Trichromacy



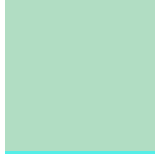
Original Color

69.4758, 0.2526, 0.4016



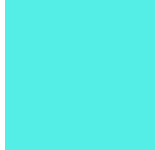
Protanomaly

66.0537, 0.3014, 0.3852



Deuteranomaly

65.0001, 0.2988, 0.3608



Tritanomaly

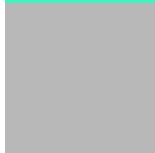
68.8034, 0.2388, 0.3376

Monochromacy



Original Color

69.4758, 0.2526, 0.4016



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.2632, 0.2792, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4758, 0.2526, 0.4016 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(63, 244, 190)` looks like.

```
.text, #text, p{  
    color:rgb(63, 244, 190)  
}
```

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(63, 244, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 244, 190) }
```

Border

The CSS property to change the border of an element to Yxy 69.4758, 0.2526, 0.4016 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(63, 244, 190) }
```

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

```
.border{ border-color:rgb(63, 244, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 244, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 244, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 244, 190);  
box-shadow:4px 4px 4px 4px rgb(63, 244,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4758, 0.2526, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 244, 190) }
```

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

```
.background{ background-color: rgb(63, 244,  
190) }
```

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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