

# Converting Colors

$Yxy(62.2307, 0.2519, 0.3962)$

Have a look what the booklet for  
Yxy(62.2307, 0.2519, 0.3962)  
contains.

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# Color

**Yxy(62.2307, 0.2519, 0.3962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FE8B8
RGB	63, 232, 184
RGB Percent	25%, 91%, 72%
CMY	0.7523, 0.0902, 0.2784
CMYK	0.73, 0.00, 0.21, 0.09
HSL	163°, 79%, 58%
HSV	163°, 73%, 91%
XYZ	39.5657, 62.2307, 55.2725
YIQ	175.9970, -85.3160, -50.7560

# Conversions

## Conversions Part 2

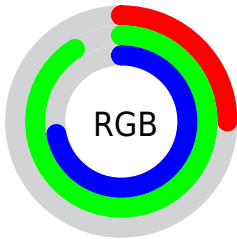
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 161, 232
Decimal	4188344
CIELab	83.04, -53.55, 11.21
CIELCh	83, 54.706, 168.178
Yxy	62.2307, 0.2519, 0.3962
Android (android.graphics.Color)	4282378424 (0xFF3FE8B8)
YUV	175.9970, 3.9455, -99.0984
Hunter-Lab	78.8864, -48.5242, 13.6784

# Details

The Yxy color **62.2307, 0.2519, 0.3962** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed spring green. A complement of this color would be **21.8797, 0.4919, 0.2837**, and the grayscale version is **43.4520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7978, 0.2557, 0.3462**, and **32.2986, 0.2478, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **61.3511, 0.2502, 0.4071**, and if you desaturate by 10%, it is **63.4498, 0.2557, 0.3854**.

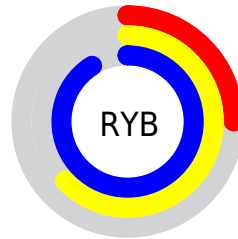
# Distribution



Red (25%)

Green (91%)

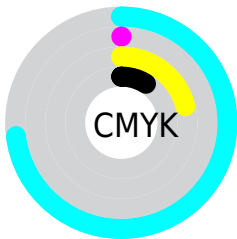
Blue (72%)



Red (25%)

Yellow (63%)

Blue (91%)

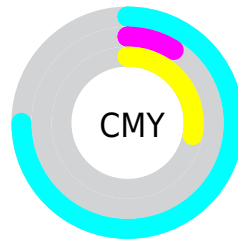


Cyan (73%)

Magenta (0%)

Yellow (21%)

Black (9%)



Cyan (75%)

Magenta (9%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2307, 0.2519, 0.3962 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 62.2307, 0.2519, 0.3962 by changing the saturation by 10% instead.




 62.2307, 0.2519,  
0.3962

 62.2307, 0.2519,  
0.3962


432.7721, 0.2813,  
0.3629


 45.2191, 0.2449,  
0.4044


 108.0589, 0.2624,  
0.3842

 31.6301, 0.2360,  
0.4148


 137.6443, 0.2663,  
0.3797

 21.0791, 0.2246,  
0.4285


 172.1898, 0.2698,  
0.3758

 13.1818, 0.2093,  
0.4474

 212.0797, 0.2727,  
0.3725

 7.5539, 0.1878,  
0.4748

257.6986, 0.2753,  
0.3696

 3.8108, 0.1559,  
0.5177

309.4306, 0.2775,

 1.5683, 0.0267,

0.3671

0.6479

367.6603, 0.2795,  
0.3649

0.3361, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.2307, 0.2519,  
0.3962

62.2307, 0.2519,  
0.3962

61.3511, 0.2502,  
0.4071

63.4498, 0.2557,  
0.3854


60.7602, 0.2504,  
0.4178


65.0374, 0.2613,  
0.3749


60.4649, 0.2515,  
0.4255


67.0270, 0.2687,  
0.3648


69.4467, 0.2775,  
0.3553

 72.3220, 0.2874,  
0.3464

 75.6761, 0.2982,  
0.3383

 79.5309, 0.3095,  
0.3309

 83.9068, 0.3211,  
0.3243

 85.4628, 0.3211,  
0.3179

# Harmonies

## Analogous

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



62.2307, 0.3150, 0.4479



62.2307, 0.2519, 0.3962



62.2307, 0.2082, 0.3233

# Triad

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



62.2307, 0.2519, 0.3962



62.2307, 0.2383, 0.2229



62.2307, 0.4509, 0.3709

# Complementary

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



62.2307, 0.2519, 0.3962



21.8797, 0.4919, 0.2837

# 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.



62.2307, 0.4279, 0.3189



62.2307, 0.2519, 0.3962



62.2307, 0.2978, 0.2383

# Square

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



62.2307, 0.2519, 0.3962



62.2307, 0.2019, 0.2301



62.2307, 0.3689, 0.2723



62.2307, 0.4317, 0.4203



# Rectangle

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



62.2307, 0.2519, 0.3962



62.2307, 0.1940, 0.2806



62.2307, 0.3689, 0.2723



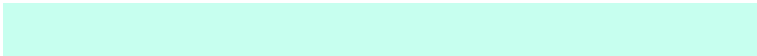
62.2307, 0.4480, 0.3535

# Sweetspot

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



62.2331, 0.2519, 0.3962



89.8835, 0.2881, 0.3459



61.6360, 0.3245, 0.5455



19.0163, 0.2853, 0.3482



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.



62.2331, 0.2519, 0.3962



75.6486, 0.2500, 0.4121



47.3811, 0.2197, 0.2824



16.2629, 0.3019, 0.3358



33.5922, 0.2511, 0.4238



2.4981, 0.2467, 0.4082



# Inverse Universe

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



21.8797, 0.4919, 0.2837



23.2046, 0.5462, 0.2886



26.0526, 0.5323, 0.3607



14.4350, 0.3248, 0.3223



9.7610, 0.5811, 0.2975

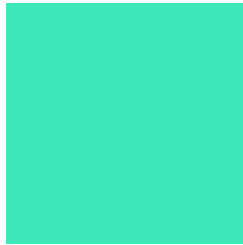


0.7369, 0.5394, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 62.2307, 0.2519, 0.3962 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 62.2307, 0.2519, 0.3962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

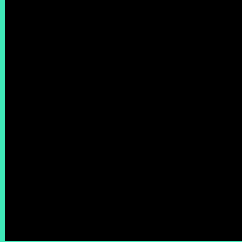
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

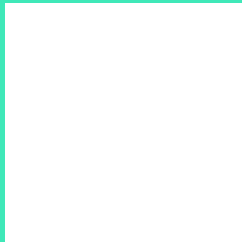
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2307, 0.2519, 0.3962**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2307, 0.2519, 0.3962.



This preview shows how white text looks on a background with the Yxy color 62.2307, 0.2519, 0.3962.

# 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

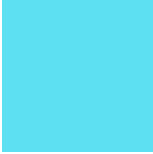
62.2307, 0.2519, 0.3962

### Protanopia

61.1639, 0.3471, 0.3698

### Deuteranopia

60.9727, 0.3439, 0.3369



## **Tritanopia**

61.9974, 0.2325, 0.3060

# Trichromacy



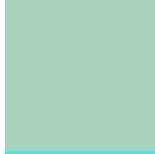
## Original Color

62.2307, 0.2519, 0.3962



## Protanomaly

59.1696, 0.2998, 0.3812



## Deuteranomaly

58.1590, 0.2977, 0.3570



## Tritanomaly

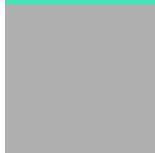
61.9525, 0.2391, 0.3367

# Monochromacy



## Original Color

62.2307, 0.2519, 0.3962



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

47.8854, 0.2792, 0.3530

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2307, 0.2519, 0.3962 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, 232, 184)` looks like.

```
.text, #text, p{  
    color:rgb(63, 232, 184)  
}
```

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, 232, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 232, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2307, 0.2519, 0.3962 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, 232, 184) }
```

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

```
.border{ border-color:rgb(63, 232, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 232, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 232, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 232, 184);  
box-shadow:4px 4px 4px 4px rgb(63, 232,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2307, 0.2519, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 232, 184) }
```

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

```
.background{ background-color: rgb(63, 232,  
184) }
```

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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