

# Converting Colors

XYZ(51.2348, 76.1308, 87.5290)

Have a look what the booklet for  
XYZ(51.2348, 76.1308, 87.5290)  
contains.

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# Color

**XYZ(51.1010, 75.8877,  
87.5558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41FBE7
RGB	65, 251, 231
RGB Percent	25%, 98%, 91%
CMY	0.7451, 0.0157, 0.0941
CMYK	0.74, 0.00, 0.08, 0.02
HSL	174°, 96%, 62%
HSV	174°, 74%, 98%
XYZ	51.1010, 75.8877, 87.5558
YIQ	193.1060, -104.4360, -45.6520

# Conversions

## Conversions Part 2

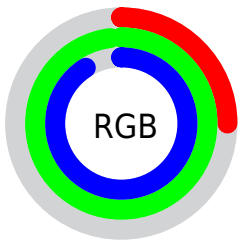
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">65, 163, 251</a>
Decimal	<a href="#">4324327</a>
CIELab	<a href="#">89.81, -49.50, -3.56</a>
CIELCh	<a href="#">90, 49.625, 184.109</a>
Yxy	<a href="#">75.8877, 0.2382, 0.3537</a>
Android (android.graphics.Color)	<a href="#">4282514407 (0xFF41FBE7)</a>
YUV	<a href="#">193.1060, 18.6817, -112.3490</a>
Hunter-Lab	<a href="#">87.1135, -47.7402, 1.3885</a>

# Details

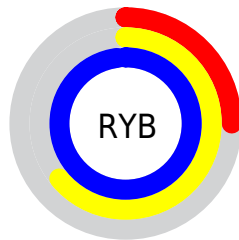
The XYZ color **51.1010, 75.8877, 87.5558** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.3163, 24.9480, 11.1297**, and the grayscale version is **50.6915, 53.3314, 58.0779**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **27.1283, 41.7182, 47.6969** is the 20% darker color. If you saturate the color by 10%, you get **49.4156, 75.0643, 85.5035**, and if you desaturate by 10%, it is **53.5341, 77.0994, 89.6771**.

# Distribution



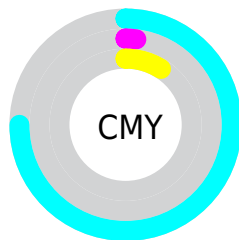
- Red (25%)
- Green (98%)
- Blue (91%)



- Red (25%)
- Yellow (64%)
- Blue (98%)



- Cyan (74%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (75%)
- Magenta (2%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1010, 75.8877, 87.5558 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 XYZ color 51.1010, 75.8877, 87.5558 by changing the saturation by 10% instead.




 51.1010, 75.8877,  
87.5558


 51.1010, 75.8877,  
87.5558

381.3373,  
480.9632, 540.4110


 36.5104, 56.3404,  
65.3930


 90.9862, 127.5682,  
145.8443


 25.0005, 40.4759,  
47.3265


 117.0114,  
160.4701, 182.8070

 16.2062, 27.9098,  
32.9376


 147.5788,  
198.5924, 225.5402

 9.7620, 18.2577,  
21.8079

 183.0539,  
242.3195, 274.4623

 5.3025, 11.1352,  
13.5189

223.8019,  
292.0357, 329.9919

 2.4624, 6.1578,  
7.6519

270.1883,

 0.8763, 2.9413,

348.1255, 392.5475

3.7885

322.5783,  
410.9732, 462.5477

0.0000, 1.1012,  
1.5100

0.0000, 0.0000,  
0.2254

51.1010, 75.8877,  
87.5558

51.1010, 75.8877,  
87.5558

49.4156, 75.0643,  
85.5035

53.5341, 77.0994,  
89.6771


48.3654, 74.5659,  
83.5099


56.7952, 78.7355,  
91.8664


47.9543, 74.3791,  
82.3575


60.9612, 80.8373,  
94.1289


66.0985, 83.4392,  
96.4680

 72.2672, 86.5722,  
98.8866

 79.5225, 90.2646,  
101.3875

 87.9159, 94.5430,  
103.9730

 93.4038, 97.3229,  
106.4543

 93.7884, 97.4767,  
108.4795

# Harmonies

## Analogous

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



52.9529, 75.8877, 56.5435



51.1010, 75.8877, 87.5558



54.3379, 75.8877, 126.5042

# Triad

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



51.1010, 75.8877, 87.5558



86.1545, 75.8877, 151.9787



82.9063, 75.8877, 35.6002

# Complementary

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



51.1010, 75.8877, 87.5558



43.3163, 24.9480, 11.1297

# 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.



93.4326, 75.8877, 50.2900



51.1010, 75.8877, 87.5558



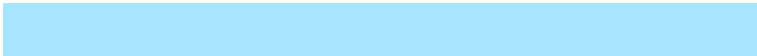
95.4520, 75.8877, 115.7089

# Square

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



51.1010, 75.8877, 87.5558



73.8294, 75.8877, 169.7862



98.2545, 75.8877, 77.8902



70.4548, 75.8877, 31.9692



# Rectangle

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



51.1010, 75.8877, 87.5558



59.1877, 75.8877, 150.1809



98.2545, 75.8877, 77.8902



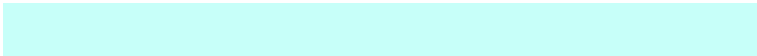
86.8313, 75.8877, 39.1547

# Sweetspot

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



51.1032, 75.8906, 87.5576



76.3804, 90.4859, 103.0353



39.3564, 71.3909, 16.7084



15.9402, 19.1600, 21.9054



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.1032, 75.8906, 87.5576



50.6067, 77.5141, 87.5950



35.8561, 40.6138, 97.2194



17.6807, 19.5745, 21.7849



25.2390, 39.1086, 43.4633



2.3599, 3.6311, 4.1431



# Inverse Universe

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



43.3163, 24.9480, 11.1297



42.2866, 22.3450, 5.3873



49.5873, 38.5872, 9.8374



17.3205, 17.2555, 18.2774



21.0408, 10.8320, 1.6574

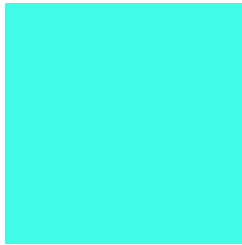


1.9729, 1.0129, 0.2805



# Previews

## White Background



This preview shows how the XYZ color 51.1010, 75.8877, 87.5558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

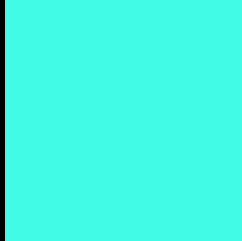
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1010, 75.8877, 87.5558 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

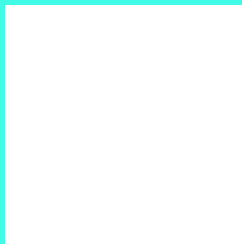
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.1010, 75.8877, 87.5558

## Background



This preview shows how black text looks on a background with the XYZ color 51.1010, 75.8877, 87.5558.



This preview shows how white text looks on a background with the XYZ color 51.1010, 75.8877,



# Color Blindness Simulation

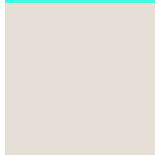
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



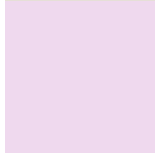
### Original Color

51.1010, 75.8877, 87.5558



### Protanopia

71.2865, 74.5046, 74.9136



### Deuteranopia

75.8421, 74.1495, 91.2039



## Tritanopia

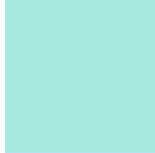
60.3654, 75.2910, 105.9588

# Trichromacy



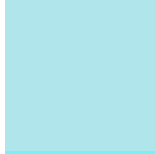
## Original Color

51.1010, 75.8877, 87.5558



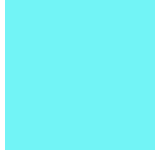
## Protanomaly

58.7676, 72.0443, 79.2152



## Deuteranomaly

60.9192, 71.2669, 89.1424



## Tritanomaly

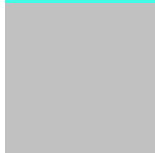
55.9247, 74.9326, 98.7047

# Monochromacy



## Original Color

51.1010, 75.8877, 87.5558



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

47.1631, 58.7091, 67.8777

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1010, 75.8877, 87.5558 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(65, 251, 231)` looks like.

```
.text, #text, p{  
    color:rgb(65, 251, 231)  
}
```

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(65, 251, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 251, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1010, 75.8877, 87.5558 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(65, 251, 231) }
```



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

```
.border{ border-color:rgb(65, 251, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 251, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 251, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 251, 231);  
box-shadow:4px 4px 4px 4px rgb(65, 251,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1010, 75.8877, 87.5558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 251, 231) }
```

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

```
.background{ background-color: rgb(65, 251,  
231) }
```

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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