

# Converting Colors

XYZ(51.2625, 78.6385, 52.0999)

Have a look what the booklet for  
XYZ(51.2625, 78.6385, 52.0999)  
contains.

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# Color

**XYZ(51.1880, 78.6021,  
52.0090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79FFAD
RGB	121, 255, 173
RGB Percent	47%, 100%, 68%
CMY	0.5255, 0.0000, 0.3216
CMYK	0.53, 0.00, 0.32, 0.00
HSL	143°, 100%, 74%
HSV	143°, 53%, 100%
XYZ	51.1880, 78.6021, 52.0090
YIQ	205.5860, -53.5420, -53.9100

# Conversions

## Conversions Part 2

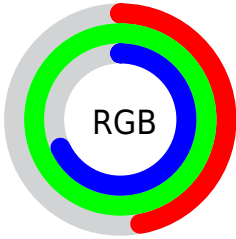
Format	Color
<a href="#">RYB</a>	<a href="#">121, 218, 255</a>
Decimal	<a href="#">7995309</a>
CIELab	<a href="#">91.05, -54.64, 28.24</a>
CIELCh	<a href="#">91, 61.505, 152.672</a>
Yxy	<a href="#">78.6021, 0.2816, 0.4324</a>
Android (android.graphics.Color)	<a href="#">4286185389 (0xFF79FFAD)</a>
YUV	<a href="#">205.5860, -16.0649, -74.1819</a>
Hunter-Lab	<a href="#">88.6578, -52.0914, 27.2794</a>

# Details

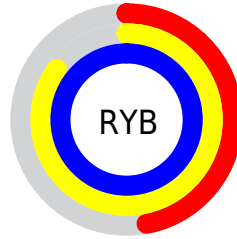
The XYZ color **51.1880, 78.6021, 52.0090** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.8572, 39.2471, 60.9732**, and the grayscale version is **58.5254, 61.5733, 67.0534**.

A 20% lighter version of the original color is **68.9589, 87.0009, 87.2871**, and **24.9873, 42.1293, 24.5841** is the 20% darker color. If you saturate the color by 10%, you get **46.6515, 76.4278, 44.3701**, and if you desaturate by 10%, it is **56.8463, 81.3342, 60.6236**.

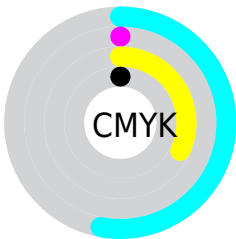
# Distribution



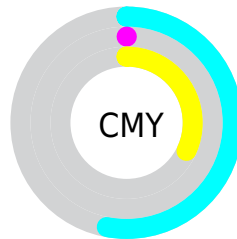
- Red (47%)
- Green (100%)
- Blue (68%)



- Red (47%)
- Yellow (85%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1880, 78.6021, 52.0090 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 51.1880, 78.6021, 52.0090 by changing the saturation by 10% instead.





 51.1880, 78.6021,  
52.0090


 51.1880, 78.6021,  
52.0090


381.6694,  
490.2092, 411.4293


 36.5799, 58.5687,  
36.6300


 91.1139, 131.3985,  
94.5712

 25.0546, 42.2660,  
24.6276


 117.1625,  
164.9304, 122.5915

 16.2467, 29.3097,  
15.5833


 147.7553,  
203.7305, 155.6626

 9.7908, 19.3152,  
9.0786

183.2576,  
248.1834, 194.2030

 5.3217, 11.8983,  
4.6950

224.0348,  
298.6732, 238.6314

 2.4739, 6.6744,  
2.0139

270.4522,

 0.8821, 3.2593,

355.5846, 289.3662

0.5638

322.8753,  
419.3018, 346.8260

0.0000, 1.2686,  
0.0000

0.0000, 0.1167,  
0.0000

51.1880, 78.6021,  
52.0090

51.1880, 78.6021,  
52.0090

46.6515, 76.4278,  
44.3701

56.8463, 81.3342,  
60.6236

43.1530, 74.7690,  
37.6676


63.6982, 84.6607,  
70.2435


40.5986, 73.5779,  
31.8651

71.8116, 88.6158,  
80.9017

38.8751, 72.7971,  
26.9218

81.2483, 93.2308,  
92.6286

 38.0101, 72.4200,  
23.7688

 92.0662, 98.5350,  
105.4533

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



59.7149, 78.6021, 31.8778



51.1880, 78.6021, 52.0090



48.6646, 78.6021, 89.6349

# Triad

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



51.1880, 78.6021, 52.0090



76.1102, 78.6021, 202.6508



102.7829, 78.6021, 47.2087

# Complementary

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



51.1880, 78.6021, 52.0090



58.8572, 39.2471, 60.9732

# 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.



108.6996, 78.6021, 81.6577



51.1880, 78.6021, 52.0090



92.0237, 78.6021, 179.6933

# Square

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



51.1880, 78.6021, 52.0090



61.8165, 78.6021, 186.3124



104.5151, 78.6021, 131.1768



89.2798, 78.6021, 29.8574



# Rectangle

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



51.1880, 78.6021, 52.0090



50.3949, 78.6021, 122.9792



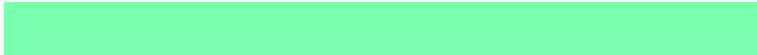
104.5151, 78.6021, 131.1768



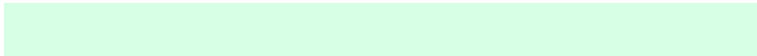
105.8034, 78.6021, 56.6609

# Sweetspot

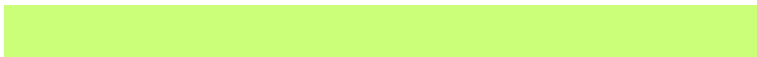
The Sweet Spot groups the original color and five complimentary colors.



51.1886, 78.6024, 52.0103



77.8376, 91.5613, 88.4579



64.0130, 85.6863, 31.2552



16.2416, 19.3930, 18.4145



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

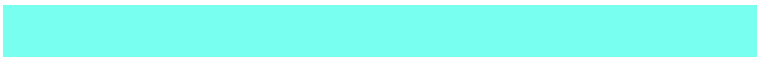
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.1886, 78.6024, 52.0103



46.4717, 76.3421, 44.0472



59.2798, 81.8388, 94.6180



18.0634, 20.2849, 20.6366



19.9288, 37.8681, 12.7760



1.9920, 3.7077, 1.5157



# Inverse Universe

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



58.8572, 39.2471, 60.9732



54.8613, 33.1628, 53.7612



52.5669, 36.7310, 27.8493



18.4765, 18.1739, 21.1263



24.7616, 12.3939, 17.9267

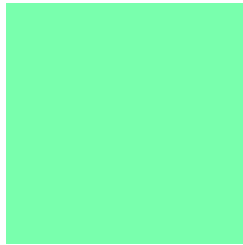


2.4645, 1.2282, 2.0276



# Previews

## White Background



This preview shows how the XYZ color 51.1880, 78.6021, 52.0090 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 51.1880, 78.6021, 52.0090 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 51.1880, 78.6021, 52.0090

## Background



This preview shows how black text looks on a background with the XYZ color 51.1880, 78.6021, 52.0090.



This preview shows how white text looks on a background with the XYZ color 51.1880, 78.6021,



# 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

51.1880, 78.6021, 52.0090

### Protanopia

72.1825, 77.6528, 44.9023

### Deuteranopia

77.0603, 76.9584, 63.0175



## Tritanopia

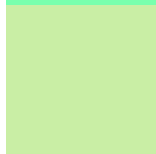
65.7877, 78.0862, 106.2125

# Trichromacy



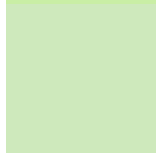
## Original Color

51.1880, 78.6021, 52.0090



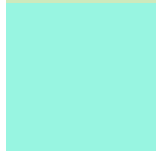
## Protanomaly

61.4535, 76.2832, 47.0825



## Deuteranomaly

63.6696, 75.0305, 58.7035



## Tritanomaly

59.1919, 77.4165, 83.0573

# Monochromacy



## Original Color

51.1880, 78.6021, 52.0090



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

54.0725, 66.3203, 60.9901

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1880, 78.6021, 52.0090 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(121, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 173)  
}
```

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(121, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1880, 78.6021, 52.0090 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(121, 255, 173) }
```



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

```
.border{ border-color:rgb(121, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1880, 78.6021, 52.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 173) }
```

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

```
.background{ background-color: rgb(121,  
255, 173) }
```

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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