

# Converting Colors

XYZ(62.1453, 100.0000,  
65.6628)

Have a look what the booklet for  
XYZ(62.1453, 100.0000, 65.6628)  
contains.

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# Color

**XYZ(51.4588, 78.5139,  
62.3117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CFFC0
RGB	108, 255, 192
RGB Percent	42%, 100%, 75%
CMY	0.5765, 0.0000, 0.2471
CMYK	0.58, 0.00, 0.25, 0.00
HSL	154°, 100%, 71%
HSV	154°, 58%, 100%
XYZ	51.4588, 78.5139, 62.3117
YIQ	203.8650, -67.3890, -50.7570

# Conversions

## Conversions Part 2

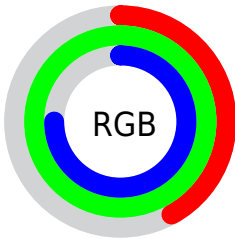
Format	Color
<a href="#">RYB</a>	<a href="#">108, 202, 255</a>
Decimal	<a href="#">7143360</a>
CIELab	<a href="#">91.01, -53.75, 18.46</a>
CIELCh	<a href="#">91, 56.833, 161.047</a>
Yxy	<a href="#">78.5139, 0.2676, 0.4083</a>
Android (android.graphics.Color)	<a href="#">4285333440 (0xFF6CFFC0)</a>
YUV	<a href="#">203.8650, -5.8494, -84.0736</a>
Hunter-Lab	<a href="#">88.6081, -51.4009, 20.3312</a>

# Details

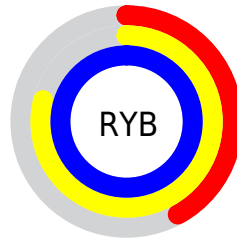
The XYZ color **51.4588, 78.5139, 62.3117** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.9539, 34.9263, 42.4268**, and the grayscale version is **57.3758, 60.3638, 65.7362**.

A 20% lighter version of the original color is **69.4364, 86.9056, 102.7373**, and **25.1188, 42.0588, 30.8390** is the 20% darker color. If you saturate the color by 10%, you get **47.6317, 76.6757, 56.0452**, and if you desaturate by 10%, it is **56.2839, 80.8562, 69.0970**.

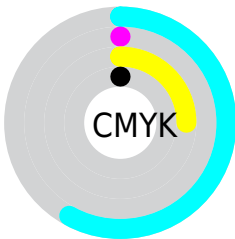
# Distribution



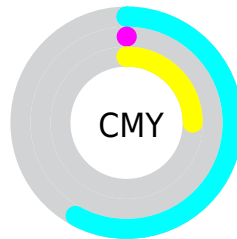
- Red (42%)
- Green (100%)
- Blue (75%)



- Red (42%)
- Yellow (79%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4588, 78.5139, 62.3117 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 51.4588, 78.5139, 62.3117 by changing the saturation by 10% instead.





 51.4588, 78.5139,  
62.3117


 51.4588, 78.5139,  
62.3117


382.7021,  
489.9103, 451.1062


 36.7964, 58.4962,  
44.8472


 91.5116, 131.2743,  
109.7519

 25.2228, 42.2077,  
30.9950


 117.6326,  
164.7858, 140.5646

 16.3728, 29.2640,  
20.3366


 148.3040,  
203.5641, 176.6638

 9.8808, 19.2806,  
12.4535

183.8909,  
247.9935, 218.4681

 5.3817, 11.8732,  
6.9270

224.7588,  
298.4584, 266.3959

 2.5099, 6.6574,  
3.3387

271.2731,

 0.9003, 3.2488,

355.3433, 320.8658

1.2701

323.7991,  
419.0325, 382.2964

0.0000, 1.2630,  
0.0371

0.0000, 0.1122,  
0.0000

51.4588, 78.5139,  
62.3117

51.4588, 78.5139,  
62.3117

47.6317, 76.6757,  
56.0452

56.2839, 80.8562,  
69.0970

44.7170, 75.2978,  
50.2794


62.1785, 83.7392,  
76.4102


42.6172, 74.3299,  
45.0005

69.2098, 87.1974,  
84.2655

41.2033, 73.7060,  
40.1918

77.4386, 91.2619,  
92.6747

 40.9262, 73.5865,  
39.1246

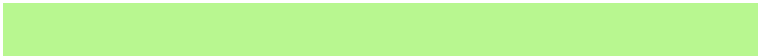
 86.9214, 95.9616,  
101.6497

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.



57.9375, 78.5139, 38.6789



51.4588, 78.5139, 62.3117



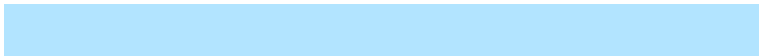
50.6943, 78.5139, 101.5363

# Triad

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



51.4588, 78.5139, 62.3117



80.0363, 78.5139, 188.8243



97.4209, 78.5139, 43.3979

# Complementary

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



51.4588, 78.5139, 62.3117



53.9539, 34.9263, 42.4268

# 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.



105.1035, 78.5139, 71.2271



51.4588, 78.5139, 62.3117



94.2438, 78.5139, 159.9781

# Square

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



51.4588, 78.5139, 62.3117



66.0198, 78.5139, 184.0834



103.8716, 78.5139, 113.7988



83.9474, 78.5139, 30.4261



# Rectangle

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



51.4588, 78.5139, 62.3117



53.3997, 78.5139, 133.0458



103.8716, 78.5139, 113.7988



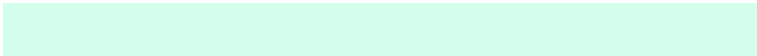
100.8397, 78.5139, 50.8756

# Sweetspot

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



51.4595, 78.5143, 62.3130



78.0122, 91.5458, 93.2368



55.4150, 81.3398, 26.9680



16.3193, 19.4073, 19.5837



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.



51.4595, 78.5143, 62.3130



47.1855, 76.4631, 55.2351



56.9479, 75.8345, 106.2438



18.2066, 20.3422, 21.3908



21.4611, 38.4810, 20.8454



2.1444, 3.7687, 2.3180



# Inverse Universe

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



53.9539, 34.9263, 42.4268



49.9104, 29.2075, 33.7787



50.4024, 35.2535, 18.3366



18.3325, 18.1163, 20.3681



23.0704, 11.7175, 9.0212



2.2997, 1.1623, 1.1596



# Previews

## White Background



This preview shows how the XYZ color 51.4588, 78.5139, 62.3117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

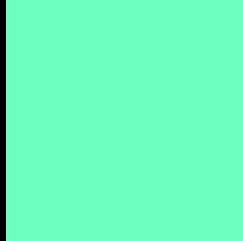
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4588, 78.5139, 62.3117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

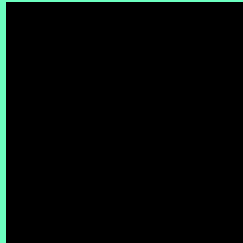
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.4588, 78.5139, 62.3117**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4588, 78.5139, 62.3117.



This preview shows how white text looks on a background with the XYZ color 51.4588, 78.5139,



# 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

51.4588, 78.5139, 62.3117

### Protanopia

72.2237, 77.0701, 53.7172

### Deuteranopia

77.7323, 76.8060, 67.8549



## Tritanopia

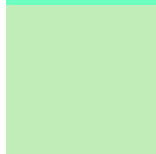
64.9360, 77.6472, 106.1727

# Trichromacy



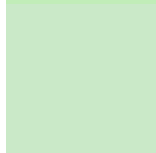
## Original Color

51.4588, 78.5139, 62.3117



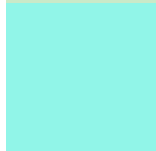
## Protanomaly

60.9282, 75.3665, 56.6833



## Deuteranomaly

63.9214, 75.0045, 65.7519



## Tritanomaly

58.8950, 77.1508, 88.1314

# Monochromacy



## Original Color

51.4588, 78.5139, 62.3117



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

53.1752, 65.3805, 64.4607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4588, 78.5139, 62.3117 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(108, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 192)  
}
```

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(108, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4588, 78.5139, 62.3117 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(108, 255, 192) }
```



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

```
.border{ border-color:rgb(108, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4588, 78.5139, 62.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 192) }
```

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

```
.background{ background-color: rgb(108,  
255, 192) }
```

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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