

# Converting Colors

XYZ(53.8905, 77.1295, 83.1838)

Have a look what the booklet for  
XYZ(53.8905, 77.1295, 83.1838)  
contains.

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# Color

**XYZ(53.8396, 76.9333,  
83.2461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BFAE1
RGB	107, 250, 225
RGB Percent	42%, 98%, 88%
CMY	0.5804, 0.0196, 0.1176
CMYK	0.57, 0.00, 0.10, 0.02
HSL	170°, 93%, 70%
HSV	170°, 57%, 98%
XYZ	53.8396, 76.9333, 83.2461
YIQ	204.3930, -77.2030, -38.0910

# Conversions

## Conversions Part 2

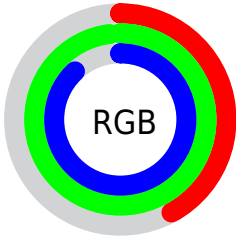
Format	Color
<a href="#">RYB</a>	<a href="#">107, 185, 250</a>
Decimal	<a href="#">7076577</a>
CIELab	<a href="#">90.29, -44.45, 0.38</a>
CIELCh	<a href="#">90, 44.447, 179.509</a>
Yxy	<a href="#">76.9333, 0.2516, 0.3595</a>
Android (android.graphics.Color)	<a href="#">4285266657 (0xFF6BFAE1)</a>
YUV	<a href="#">204.3930, 10.1593, -85.4137</a>
Hunter-Lab	<a href="#">87.7116, -43.9276, 5.1267</a>

# Details

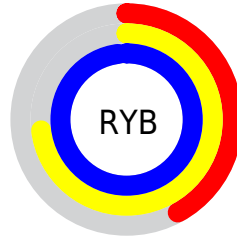
The XYZ color **53.8396, 76.9333, 83.2461** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.8495, 32.5074, 25.5324**, and the grayscale version is **57.6179, 60.6185, 66.0135**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **26.7777, 41.2752, 44.5858** is the 20% darker color. If you saturate the color by 10%, you get **50.6690, 75.3687, 80.0260**, and if you desaturate by 10%, it is **57.8985, 78.9578, 86.5909**.

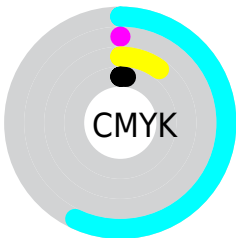
# Distribution



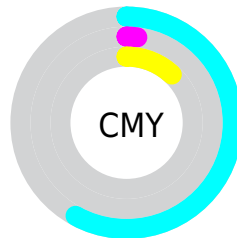
- Red (42%)
- Green (98%)
- Blue (88%)



- Red (42%)
- Yellow (73%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)




- Cyan (58%)
- Magenta (2%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8396, 76.9333, 83.2461 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 53.8396, 76.9333, 83.2461 by changing the saturation by 10% instead.





 53.8396, 76.9333,  
83.2461


 53.8396, 76.9333,  
83.2461


391.7064,  
484.5366, 525.7988


 38.7036, 57.1981,  
61.8514


 94.9970, 129.0453,  
139.7724

 26.7089, 41.1643,  
44.4776


 121.7490,  
162.1910, 175.7411

 17.4902, 28.4475,  
30.7062


 153.1039,  
200.5756, 217.4049

 10.6821, 18.6633,  
20.1187

189.4268,  
244.5835, 265.1823

 5.9192, 11.4272,  
12.2964

231.0831,  
294.5992, 319.4918

 2.8362, 6.3550,  
6.8209

278.4383,

 1.0677, 3.0621,

351.0070, 380.7521

3.2736

331.8576,  
414.1913, 449.3815

0.0000, 1.1642,  
1.2360

0.0000, 0.0322,  
0.0084

53.8396, 76.9333,  
83.2461

53.8396, 76.9333,  
83.2461

50.6690, 75.3687,  
80.0260

57.8985, 78.9578,  
86.5909

48.3028, 74.2151,  
76.9209


62.9073, 81.4684,  
90.0587


46.6523, 73.4288,  
73.9279


68.9294, 84.4995,  
93.6548


45.6004, 72.9494,  
71.0408

76.0212, 88.0803,  
97.3824

 45.3631, 72.8443,  
70.2486

 84.2345, 92.2375,  
101.2445

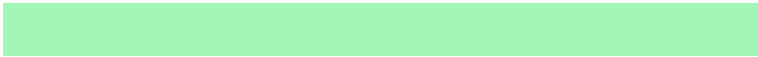
 92.8756, 96.6133,  
105.2091

 93.4769, 96.8538,  
108.3756

# Harmonies

## Analogous

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



56.2745, 76.9333, 56.4912



53.8396, 76.9333, 83.2461



56.1215, 76.9333, 117.5176

# Triad

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



53.8396, 76.9333, 83.2461



84.1142, 76.9333, 148.7935



84.4614, 76.9333, 41.4586

# Complementary

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



53.8396, 76.9333, 83.2461



48.8495, 32.5074, 25.5324

# 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.



93.2515, 76.9333, 57.1897



53.8396, 76.9333, 83.2461



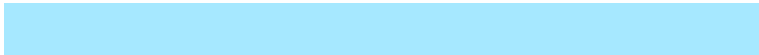
93.0372, 76.9333, 118.6549

# Square

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



53.8396, 76.9333, 83.2461



72.9406, 76.9333, 160.6902



96.5349, 76.9333, 84.2906

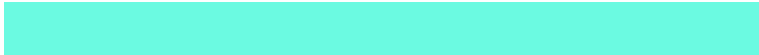


73.3053, 76.9333, 36.4066



# Rectangle

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



53.8396, 76.9333, 83.2461



60.1562, 76.9333, 139.1949



96.5349, 76.9333, 84.2906



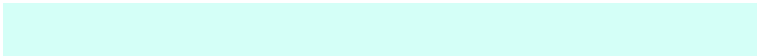
87.8304, 76.9333, 45.4389

# Sweetspot

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



53.8418, 76.9363, 83.2479



79.6641, 92.2065, 101.9352



46.5489, 74.4401, 25.8263



16.7114, 19.5641, 21.6480



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.



53.8418, 76.9363, 83.2479



52.4752, 78.5791, 83.0907



45.0847, 53.5579, 98.4074



17.6279, 19.5534, 21.5071



24.1091, 38.6566, 37.5134



2.2660, 3.5935, 3.6486



# Inverse Universe

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



48.8495, 32.5074, 25.5324



46.8439, 27.9809, 17.6306



53.3550, 43.9366, 19.5798



17.3685, 17.2747, 18.5301



21.1863, 10.8903, 2.4237

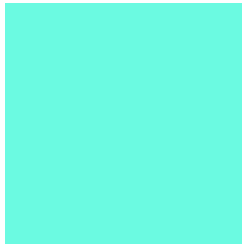


1.9955, 1.0219, 0.3997



# Previews

## White Background



This preview shows how the XYZ color 53.8396, 76.9333, 83.2461 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

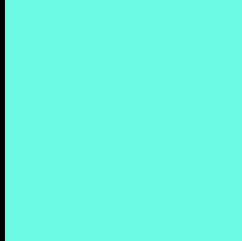
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8396, 76.9333, 83.2461 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 53.8396, 76.9333, 83.2461**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8396, 76.9333, 83.2461.



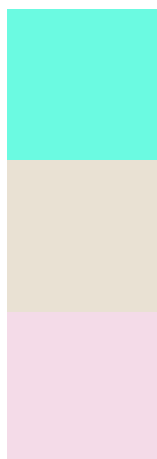
This preview shows how white text looks on a background with the XYZ color 53.8396, 76.9333,



# 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

53.8396, 76.9333, 83.2461

### Protanopia

72.2874, 75.8772, 72.4638

### Deuteranopia

77.2052, 75.7223, 86.8906



## Tritanopia

62.9204, 76.6081, 106.0783

# Trichromacy



## Original Color

53.8396, 76.9333, 83.2461



## Protanomaly

62.3110, 74.3683, 76.0361



## Deuteranomaly

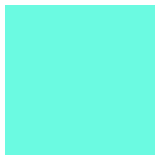
64.6878, 73.7201, 84.9487



## Tritanomaly

59.1611, 76.6363, 97.2621

# Monochromacy



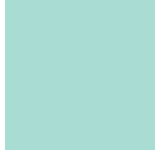
## Original Color

53.8396, 76.9333, 83.2461



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

54.1023, 64.9014, 71.9631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8396, 76.9333, 83.2461 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(107, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(107, 250, 225)  
}
```

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(107, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 250, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8396, 76.9333, 83.2461 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".

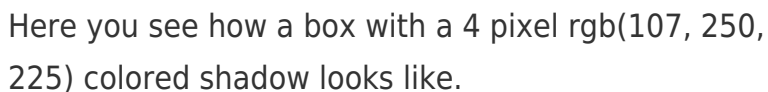
```
.border, #border, table{ border:4px solid rgb(107, 250, 225) }
```



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

```
.border{ border-color:rgb(107, 250, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 250, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 250, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 250, 225); box-shadow:4px 4px 4px 4px rgb(107, 250, 225) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8396, 76.9333, 83.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 250, 225) }
```

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

```
.background{ background-color: rgb(107,  
250, 225) }
```

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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