

# Converting Colors

XYZ(49.9952, 71.2660, 60.6163)

Have a look what the booklet for  
XYZ(49.9952, 71.2660, 60.6163)  
contains.

<b>XYZ(50.0652, 71.4180, 60.4366)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(50.0652, 71.4180,  
60.4366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82F1BF
RGB	130, 241, 191
RGB Percent	51%, 95%, 75%
CMY	0.4902, 0.0549, 0.2510
CMYK	0.46, 0.00, 0.21, 0.05
HSL	153°, 80%, 73%
HSV	153°, 46%, 95%
XYZ	50.0652, 71.4180, 60.4366
YIQ	202.1110, -50.1060, -39.0820

# Conversions

## Conversions Part 2

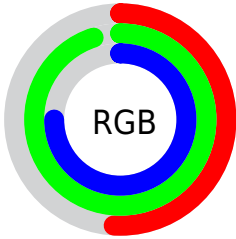
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 202, 241
Decimal	8581567
CIELab	87.69, -43.13, 14.41
CIELCh	88, 45.470, 161.528
Yxy	71.4180, 0.2752, 0.3926
Android (android.graphics.Color)	4286771647 (0xFF82F1BF)
YUV	202.1110, -5.4777, -63.2413
Hunter-Lab	84.5092, -42.1435, 16.7553

# Details

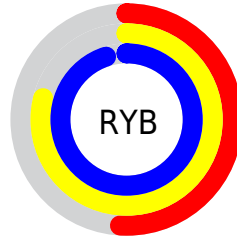
The XYZ color **50.0652, 71.4180, 60.4366** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.4989, 37.9630, 47.7433**, and the grayscale version is **56.2654, 59.1956, 64.4640**.

A 20% lighter version of the original color is **73.2875, 88.9268, 101.2976**, and **24.3265, 37.4556, 29.9923** is the 20% darker color. If you saturate the color by 10%, you get **45.6419, 69.2726, 54.2233**, and if you desaturate by 10%, it is **55.4466, 74.0509, 67.1602**.

# Distribution



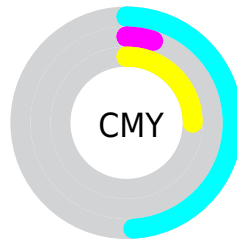
- Red (51%)
- Green (95%)
- Blue (75%)



- Red (51%)
- Yellow (79%)
- Blue (95%)



- Cyan (46%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)




- Cyan (49%)
- Magenta (5%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0652, 71.4180, 60.4366 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 50.0652, 71.4180, 60.4366 by changing the saturation by 10% instead.





 50.0652, 71.4180,  
60.4366


 50.0652, 71.4180,  
60.4366


377.3686,  
465.5133, 444.0544


 35.6832, 52.6834,  
43.3430


 89.4627, 121.2287,  
107.0123

 24.3586, 37.5501,  
29.8210


 115.2090,  
153.0736, 137.3316

 15.7260, 25.6337,  
19.4518


 145.4740,  
190.0574, 172.8964

 9.4201, 16.5498,  
11.8171

180.6232,  
232.5644, 214.1255

 5.0755, 9.9140,  
6.4982

221.0219,  
280.9792, 261.4373

 2.3268, 5.3420,  
3.0767


267.0355,


 0.8083, 2.4493,


335.6860, 315.2504


1.1339


319.0293,  
397.0692, 375.9832


 0.0000, 0.8511,  
0.0000


 0.0000, 0.0000,  
0.0000

 50.0652, 71.4180,  
60.4366


 50.0652, 71.4180,  
60.4366


 45.6419, 69.2726,  
54.2233


 55.4466, 74.0509,  
67.1602


 42.1077, 67.5736,  
48.5024


 61.8375, 77.1919,  
74.4016


 39.3931, 66.2873,  
43.2620

 69.2925, 80.8708,  
82.1741


 37.4150, 65.3712,  
38.4875

 77.8605, 85.1125,  
90.4891

 36.0708, 64.7726,  
34.1630

 87.5870, 89.9405,  
99.3577

 35.6517, 64.5912,  
32.5765

 90.7466, 91.3932,  
107.4655

# Harmonies

## Analogous

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



55.0505, 71.4180, 41.2631



50.0652, 71.4180, 60.4366



49.5369, 71.4180, 90.2330

# Triad

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



50.0652, 71.4180, 60.4366



72.1059, 71.4180, 151.5927



84.6022, 71.4180, 44.6843

# Complementary

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



50.0652, 71.4180, 60.4366



52.4989, 37.9630, 47.7433

# 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.



90.2717, 71.4180, 66.4966



50.0652, 71.4180, 60.4366



82.5638, 71.4180, 131.1771

# Square

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



50.0652, 71.4180, 60.4366



61.5257, 71.4180, 148.7085



89.4886, 71.4180, 98.1175



74.6589, 71.4180, 33.9688



# Rectangle

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



50.0652, 71.4180, 60.4366



51.7081, 71.4180, 113.0989



89.4886, 71.4180, 98.1175



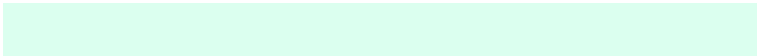
87.1162, 71.4180, 50.6785

# Sweetspot

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



50.0671, 71.4209, 60.4382



80.6317, 92.8538, 95.2710



54.7311, 74.4461, 32.6050



16.8315, 19.6634, 19.9658



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.



50.0671, 71.4209, 60.4382



52.2921, 78.9458, 62.2480



55.4566, 71.8419, 94.1665



15.9294, 17.8018, 18.6511



19.4013, 35.0525, 18.0282



1.6641, 2.9361, 1.7635



# Inverse Universe

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



52.4989, 37.9630, 47.7433



55.3709, 36.6760, 46.2422



48.7907, 37.2815, 25.7446



16.0688, 15.8772, 17.9185



21.2214, 10.7610, 9.0827

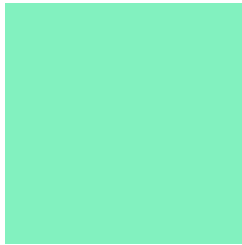


1.8149, 0.9150, 1.0161



# Previews

## White Background



This preview shows how the XYZ color 50.0652, 71.4180, 60.4366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

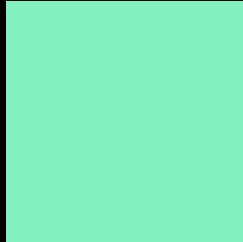
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.0652, 71.4180, 60.4366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

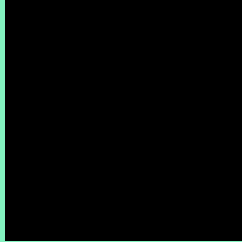
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.0652, 71.4180, 60.4366**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.0652, 71.4180, 60.4366.



This preview shows how white text looks on a background with the XYZ color 50.0652, 71.4180,



# 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

50.0652, 71.4180, 60.4366

### Protanopia

66.2646, 70.4270, 53.2813

### Deuteranopia

71.8451, 70.4399, 63.2357



## Tritanopia

58.5637, 71.4171, 102.7937

# Trichromacy



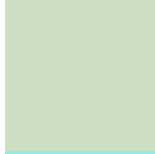
## Original Color

50.0652, 71.4180, 60.4366



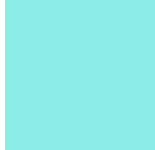
## Protanomaly

58.0962, 69.3227, 55.6660



## Deuteranomaly

60.8734, 69.0201, 61.7436



## Tritanomaly

55.0936, 71.2795, 85.7175

# Monochromacy



## Original Color

50.0652, 71.4180, 60.4366



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

52.6534, 62.4191, 62.6990

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0652, 71.4180, 60.4366 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(130, 241, 191)` looks like.

```
.text, #text, p{  
    color:rgb(130, 241, 191)  
}
```

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(130, 241, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 241, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0652, 71.4180, 60.4366 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(130, 241, 191) }
```



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

```
.border{ border-color:rgb(130, 241, 191) }
```

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

Here you see how a box with a 4 pixel rgb(130, 241, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 241, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 241, 191);  
box-shadow:4px 4px 4px 4px rgb(130, 241,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0652, 71.4180, 60.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 241, 191) }
```

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

```
.background{ background-color: rgb(130,  
241, 191) }
```

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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