

# Converting Colors

XYZ(42.6834, 58.9338, 73.2891)

Have a look what the booklet for  
XYZ(42.6834, 58.9338, 73.2891)  
contains.

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# Color

**XYZ(42.7383, 58.9989,  
73.4254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EDDD7
RGB	94, 221, 215
RGB Percent	37%, 87%, 84%
CMY	0.6313, 0.1333, 0.1569
CMYK	0.57, 0.00, 0.03, 0.13
HSL	177°, 65%, 62%
HSV	177°, 57%, 87%
XYZ	42.7383, 58.9989, 73.4254
YIQ	182.3430, -73.7660, -28.7900

# Conversions

## Conversions Part 2

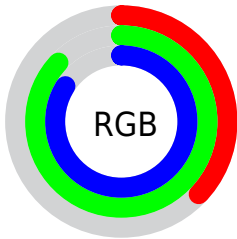
Format	Color
<a href="#">RYB</a>	<a href="#">94, 159, 221</a>
Decimal	<a href="#">6217175</a>
CIELab	<a href="#">81.29, -36.30, -7.64</a>
CIELCh	<a href="#">81, 37.097, 191.888</a>
Yxy	<a href="#">58.9989, 0.2440, 0.3368</a>
Android (android.graphics.Color)	<a href="#">4284407255 (0xFF5EDDD7)</a>
YUV	<a href="#">182.3430, 16.0999, -77.4768</a>
Hunter-Lab	<a href="#">76.8107, -35.0995, -2.9093</a>

# Details

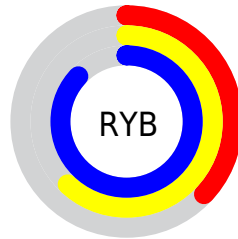
The XYZ color **42.7383, 58.9989, 73.4254** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.1237, 24.2994, 14.8449**, and the grayscale version is **44.5958, 46.9183, 51.0940**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **19.8003, 29.4483, 37.8982** is the 20% darker color. If you saturate the color by 10%, you get **40.6550, 57.9417, 72.6308**, and if you desaturate by 10%, it is **45.4746, 60.3953, 74.2577**.

# Distribution



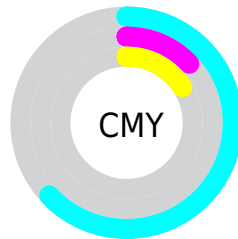
- Red (37%)
- Green (87%)
- Blue (84%)



- Red (37%)
- Yellow (62%)
- Blue (87%)



- Cyan (57%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)




- Cyan (63%)
- Magenta (13%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7383, 58.9989, 73.4254 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 42.7383, 58.9989, 73.4254 by changing the saturation by 10% instead.





 42.7383, 58.9989,  
73.4254


 42.7383, 58.9989,  
73.4254


348.4742,  
420.8978, 491.5981


 29.8735, 42.6122,  
53.8299


 78.5740, 103.3761,  
125.8074

 19.8902, 29.5810,  
38.0735


 102.2755,  
132.1354, 159.4311

 12.4230, 19.5208,  
25.7374

 130.3200,  
165.7876, 198.5679

 7.1067, 12.0472,  
16.4033

 163.0728,  
204.7173, 243.6364

 3.5758, 6.7758,  
9.6526

200.8993,  
249.3088, 295.0551

 1.4651, 3.3223,  
5.0666

244.1648,

 0.3019, 1.3022,

299.9464, 353.2426

2.2270

293.2346,  
357.0146, 418.6175

■ 0.0000, 0.1429,  
0.6899

■ 0.0000, 0.0000,  
0.0000

■ 42.7383, 58.9989,  
73.4254

■ 42.7383, 58.9989,  
73.4254

■ 40.6550, 57.9417,  
72.6308

■ 45.4746, 60.3953,  
74.2577

■ 39.1624, 57.1876,  
71.8669


■ 48.9090, 62.1502,  
75.1258


■ 38.1953, 56.7043,  
71.1321


■ 53.0886, 64.2891,  
76.0333

■ 37.6633, 56.4453,  
70.4222


■ 58.0550, 66.8335,  
76.9821


 37.5600, 56.3958,  
70.2443

 63.8466, 69.8032,  
77.9741

 70.4994, 73.2168,  
79.0108

 78.0473, 77.0917,  
80.0940

 80.4649, 78.3218,  
80.9416

 80.6065, 78.3784,  
81.6872

# Harmonies

## Analogous

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



43.0882, 58.9989, 51.8801



42.7383, 58.9989, 73.4254



45.7115, 58.9989, 97.1048

# Triad

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



42.7383, 58.9989, 73.4254



66.6113, 58.9989, 101.4790



60.8315, 58.9989, 31.6494

# Complementary

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



42.7383, 58.9989, 73.4254



36.1237, 24.2994, 14.8449

# 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.



67.9011, 58.9989, 39.7783



42.7383, 58.9989, 73.4254



71.4436, 58.9989, 78.4213

# Square

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



42.7383, 58.9989, 73.4254



59.1985, 58.9989, 115.6226



71.9363, 58.9989, 55.8541



53.0666, 58.9989, 30.9081

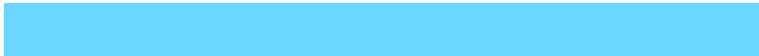


# Rectangle

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



42.7383, 58.9989, 73.4254



49.3526, 58.9989, 109.6416



71.9363, 58.9989, 55.8541



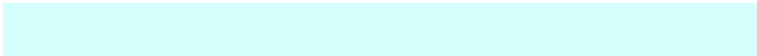
63.3853, 58.9989, 33.5036

# Sweetspot

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



42.7400, 59.0012, 73.4268



80.5324, 92.5538, 106.5080



33.1730, 55.2527, 19.5075



16.9186, 19.6470, 22.7391



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.



42.7400, 59.0012, 73.4268



55.7285, 79.8803, 100.2219



30.9178, 34.0996, 73.3614



13.4169, 14.8184, 16.6583



21.8306, 32.7649, 40.8689



1.4227, 2.1260, 2.6918



# Inverse Universe

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



36.1237, 24.2994, 14.8449



45.7749, 27.5533, 12.0010



42.9321, 38.3641, 15.7333



13.0809, 13.0614, 13.6871



17.3671, 8.9479, 1.0471



1.1341, 0.5833, 0.1151



# Previews

## White Background



This preview shows how the XYZ color 42.7383, 58.9989, 73.4254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

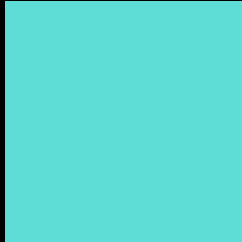
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7383, 58.9989, 73.4254 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

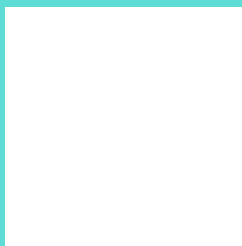
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.7383, 58.9989, 73.4254**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7383, 58.9989, 73.4254.



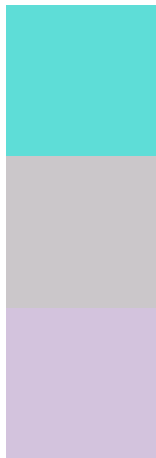
This preview shows how white text looks on a background with the XYZ color 42.7383, 58.9989,



# 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

42.7383, 58.9989, 73.4254

### Protanopia

55.7127, 57.8076, 64.0987

### Deuteranopia

59.4302, 58.0996, 76.4886



## Tritanopia

45.6912, 59.0237, 88.3414

# Trichromacy



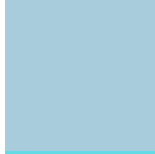
## Original Color

42.7383, 58.9989, 73.4254



## Protanomaly

48.6796, 56.9172, 67.4519



## Deuteranomaly

50.5275, 56.6250, 75.2845



## Tritanomaly

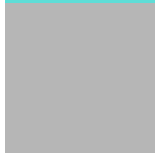
44.4807, 58.9171, 82.4266

# Monochromacy



## Original Color

42.7383, 58.9989, 73.4254



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

42.0552, 49.8589, 58.4461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7383, 58.9989, 73.4254 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(94, 221, 215)` looks like.

```
.text, #text, p{  
    color:rgb(94, 221, 215)  
}
```

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(94, 221, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 221, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7383, 58.9989, 73.4254 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(94, 221, 215) }
```



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

```
.border{ border-color:rgb(94, 221, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 221, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 221, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 221, 215);  
box-shadow:4px 4px 4px 4px rgb(94, 221,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7383, 58.9989, 73.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 221, 215) }
```

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

```
.background{ background-color: rgb(94, 221,  
215) }
```

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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