

# Converting Colors

XYZ(39.2144, 56.0760, 42.6315)

Have a look what the booklet for  
XYZ(39.2144, 56.0760, 42.6315)  
contains.

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# Color

**XYZ(39.0149, 55.8225,  
42.4367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AD8A1
RGB	122, 216, 161
RGB Percent	48%, 85%, 63%
CMY	0.5216, 0.1529, 0.3686
CMYK	0.44, 0.00, 0.25, 0.15
HSL	145°, 55%, 66%
HSV	145°, 44%, 85%
XYZ	39.0149, 55.8225, 42.4367
YIQ	181.6240, -38.3690, -37.0330

# Conversions

## Conversions Part 2

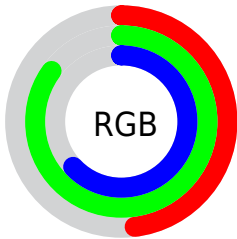
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">122, 188, 216</a>
Decimal	<a href="#">8050849</a>
CIELab	<a href="#">79.51, -40.10, 18.59</a>
CIELCh	<a href="#">80, 44.198, 155.133</a>
Yxy	<a href="#">55.8225, 0.2842, 0.4066</a>
Android (android.graphics.Color)	<a href="#">4286240929 (0xFF7AD8A1)</a>
YUV	<a href="#">181.6240, -10.1676, -52.2902</a>
Hunter-Lab	<a href="#">74.7145, -37.5400, 18.6243</a>

# Details

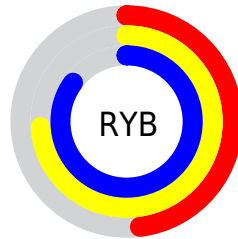
The XYZ color **39.0149, 55.8225, 42.4367** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.2161, 31.6935, 45.4368**, and the grayscale version is **44.3286, 46.6371, 50.7878**.

A 20% lighter version of the original color is **66.5148, 85.9428, 78.0487**, and **17.7520, 27.7521, 18.8891** is the 20% darker color. If you saturate the color by 10%, you get **35.2310, 53.9957, 36.7333**, and if you desaturate by 10%, it is **43.5941, 58.0493, 48.7679**.

# Distribution



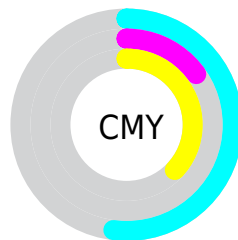
- Red (48%)
- Green (85%)
- Blue (63%)



- Red (48%)
- Yellow (74%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)




- Cyan (52%)
- Magenta (15%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0149, 55.8225, 42.4367 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 39.0149, 55.8225, 42.4367 by changing the saturation by 10% instead.





 39.0149, 55.8225,  
42.4367


 39.0149, 55.8225,  
42.4367


333.1599,  
409.0222, 372.1430


 26.9521, 40.0606,  
29.1153


 72.9550, 98.7450,  
80.1373

 17.6736, 27.5858,  
18.9217


 95.5630, 126.6744,  
105.3536

 10.8142, 18.0137,  
11.4375


 122.4168,  
159.4285, 135.3719

 6.0084, 10.9598,  
6.2440

153.8817,  
197.3916, 170.6108

 2.8909, 6.0398,  
2.9229

190.3232,  
240.9481, 211.4889

 1.0963, 2.8693,  
1.0554

232.1064,

 0.0220, 1.0639,

290.4825, 258.4245

0.0000

279.5969,  
346.3790, 311.8364

■ 0.0000, 0.0000,  
0.0000

■ 39.0149, 55.8225,  
42.4367

■ 39.0149, 55.8225,  
42.4367

■ 35.2310, 53.9957,  
36.7333

■ 43.5941, 58.0493,  
48.7679

■ 32.1892, 52.5373,  
31.6342

■ 49.0088, 60.6919,  
55.7419

■ 29.8362, 51.4218,  
27.1199


■ 55.3015, 63.7735,  
63.3778


■ 28.1095, 50.6173,  
23.1684


■ 62.5107, 67.3134,  
71.6927


■ 26.9336, 50.0854,  
19.7558

■ 70.6723, 71.3299,  
80.7033

 26.3861, 49.8455,  
17.8180

 79.8204, 75.8402,  
90.4255

 82.9697, 77.2429,  
100.5462

 83.8469, 77.5938,  
105.1656

# Harmonies

## Analogous

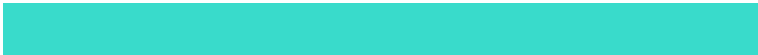
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8189, 55.8225, 28.8999



39.0149, 55.8225, 42.4367



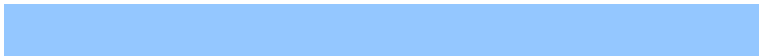
37.7930, 55.8225, 65.2654

# Triad

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



39.0149, 55.8225, 42.4367



54.6011, 55.8225, 123.7147



68.2956, 55.8225, 36.7440

# Complementary

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



39.0149, 55.8225, 42.4367



43.2161, 31.6935, 45.4368

# 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.



71.9619, 55.8225, 56.5073



39.0149, 55.8225, 42.4367



63.5114, 55.8225, 110.2324

# Square

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



39.0149, 55.8225, 42.4367



46.1913, 55.8225, 116.8725



70.1205, 55.8225, 83.7711



60.5728, 55.8225, 26.3140



# Rectangle

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



39.0149, 55.8225, 42.4367



39.0421, 55.8225, 84.0257



70.1205, 55.8225, 83.7711



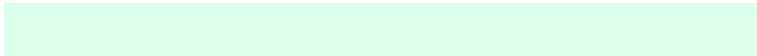
70.0803, 55.8225, 42.2753

# Sweetspot

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



39.0164, 55.8248, 42.4380



80.9210, 93.0590, 92.7523



46.5226, 60.0317, 27.5482



16.8566, 19.6910, 19.3025



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.



39.0164, 55.8248, 42.4380



51.8199, 78.8777, 54.3052



43.7973, 57.7372, 67.6139



12.4739, 13.9806, 14.3102



15.6682, 29.5226, 10.8142



0.9857, 1.7969, 0.8665



# Inverse Universe

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



43.2161, 31.6935, 45.4368



58.6725, 39.4470, 59.1568



39.4039, 30.1687, 25.3622



12.7250, 12.5415, 14.4918



19.0606, 9.5606, 12.8890

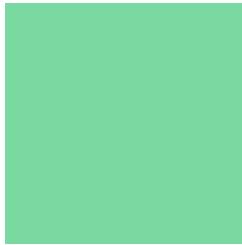


1.1904, 0.5930, 0.9922



# Previews

## White Background



This preview shows how the XYZ color 39.0149, 55.8225, 42.4367 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 39.0149, 55.8225, 42.4367 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

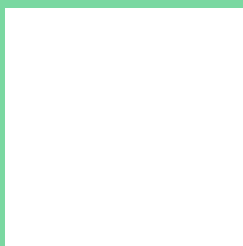
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.0149, 55.8225, 42.4367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0149, 55.8225, 42.4367.



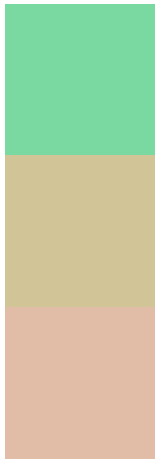
This preview shows how white text looks on a background with the XYZ color 39.0149, 55.8225,



# 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

39.0149, 55.8225, 42.4367

### Protanopia

51.6203, 55.2695, 37.2256

### Deuteranopia

56.0096, 54.7640, 44.1777



## Tritanopia

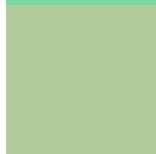
46.3269, 55.8119, 78.8521

# Trichromacy



## Original Color

39.0149, 55.8225, 42.4367



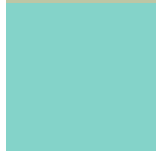
## Protanomaly

45.4038, 54.4255, 39.1225



## Deuteranomaly

47.7247, 53.7961, 43.4656



## Tritanomaly

43.3526, 55.7111, 63.7267

# Monochromacy



## Original Color

39.0149, 55.8225, 42.4367



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

41.4290, 49.1131, 47.3406

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0149, 55.8225, 42.4367 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(122, 216, 161)` looks like.

```
.text, #text, p{  
    color:rgb(122, 216, 161)  
}
```

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(122, 216, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 216, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0149, 55.8225, 42.4367 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(122, 216, 161) }
```



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

```
.border{ border-color:rgb(122, 216, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 216, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 216, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 216, 161); box-shadow:4px 4px 4px 4px rgb(122, 216, 161) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0149, 55.8225, 42.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 216, 161) }
```

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

```
.background{ background-color: rgb(122,  
216, 161) }
```

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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