

# Converting Colors

XYZ(66.4390, 71.5979, 39.5962)

Have a look what the booklet for  
XYZ(66.4390, 71.5979, 39.5962)  
contains.

<b>XYZ(66.4390, 71.5979, 39.5962)</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(66.4390, 71.5979,  
39.5962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDC97
RGB	238, 220, 151
RGB Percent	93%, 86%, 59%
CMY	0.0667, 0.1372, 0.4078
CMYK	0.00, 0.08, 0.37, 0.07
HSL	48°, 72%, 76%
HSV	48°, 37%, 93%
XYZ	66.4390, 71.5979, 39.5962
YIQ	217.5160, 32.8770, -17.6430

# Conversions

## Conversions Part 2

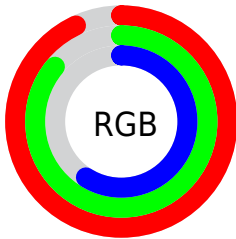
Format	Color
<a href="#">RYB</a>	<a href="#">174, 238, 151</a>
Decimal	<a href="#">15654039</a>
CIELab	<a href="#">87.77, -3.56, 36.17</a>
CIELCh	<a href="#">88, 36.341, 95.624</a>
Yxy	<a href="#">71.5979, 0.3740, 0.4031</a>
Android (android.graphics.Color)	<a href="#">4293844119 (0xFFEEDC97)</a>
YUV	<a href="#">217.5160, -32.7924, 17.9645</a>
Hunter-Lab	<a href="#">84.6155, -7.9214, 31.4859</a>

# Details

The XYZ color **66.4390, 71.5979, 39.5962** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.3827, 41.1270, 86.5934**, and the grayscale version is **66.5115, 69.9753, 76.2031**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **34.7633, 37.6349, 17.2364** is the 20% darker color. If you saturate the color by 10%, you get **63.4256, 68.3582, 29.9994**, and if you desaturate by 10%, it is **69.8843, 75.0764, 51.2635**.

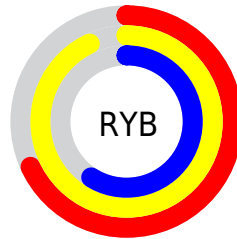
# Distribution



Red (93%)

Green (86%)

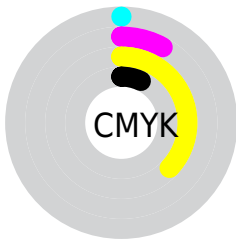
Blue (59%)



Red (68%)

Yellow (93%)

Blue (59%)

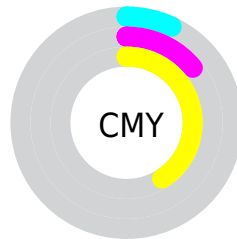


Cyan (0%)

Magenta (8%)

Yellow (37%)

Black (7%)



Cyan (7%)

Magenta (14%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4390, 71.5979, 39.5962 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 66.4390, 71.5979, 39.5962 by changing the saturation by 10% instead.



66.4390, 71.5979,  
39.5962

66.4390, 71.5979,  
39.5962

437.4092,  
466.1408, 359.9200

48.8979, 52.8303,  
26.9125

113.1704,  
121.4847, 75.7786

34.7527, 37.6673,  
17.2756

143.0914,  
153.3726, 100.1143

23.6380, 25.7246,  
10.2672

177.8698,  
190.4028, 129.1711

15.1886, 16.6177,  
5.4685

217.8709,  
232.9596, 163.3675

9.0390, 9.9623,  
2.4612

263.4600,  
281.4274, 203.1220

4.8240, 5.3740,  
0.8195

315.0025,

2.1780, 2.4683,

336.1906, 248.8533

0.0000

372.8638,  
397.6336, 300.9798

■ 0.7311, 0.8607,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.4390, 71.5979,  
39.5962

■ 66.4390, 71.5979,  
39.5962

■ 63.4256, 68.3582,  
29.9994

■ 69.8843, 75.0764,  
51.2635

■ 60.8147, 65.3372,  
22.3441


■ 73.7780, 78.7931,  
65.1110


■ 58.5816, 62.5272,  
16.4940


■ 78.1423, 82.7599,  
81.2459


■ 56.6964, 59.9157,  
12.2927


■ 82.9963, 86.9850,  
99.7670


 55.1240, 57.4881,  
9.5576


 85.8472, 90.4717,  
107.5459

 53.8204, 55.2262,  
8.0586

 87.3532, 93.4838,  
108.0479

 53.4089, 54.4752,  
7.6998

 88.8992, 96.5758,  
108.5632

 89.0699, 96.9171,  
108.6201

# Harmonies

## Analogous

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



75.1292, 71.5979, 42.2013



66.4390, 71.5979, 39.5962



58.8406, 71.5979, 45.3697

# Triad

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



66.4390, 71.5979, 39.5962



55.4402, 71.5979, 109.0288



84.3051, 71.5979, 99.2522

# Complementary

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



66.4390, 71.5979, 39.5962



42.3827, 41.1270, 86.5934

# 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.



78.1771, 71.5979, 123.2958



66.4390, 71.5979, 39.5962



61.4332, 71.5979, 129.7240

# Square

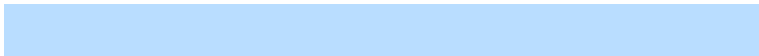
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.4390, 71.5979, 39.5962



52.8438, 71.5979, 82.7067



69.6902, 71.5979, 135.4306



85.9287, 71.5979, 73.3945



# Rectangle

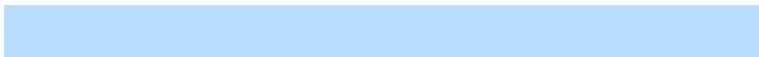
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.4390, 71.5979, 39.5962



55.2595, 71.5979, 54.0957



69.6902, 71.5979, 135.4306



82.6797, 71.5979, 107.9717

# Sweetspot

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



66.4408, 71.6012, 39.5977



89.0353, 94.6774, 86.2188



53.5685, 43.2077, 43.4732



18.9088, 20.1299, 17.9061



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.



66.4408, 71.6012, 39.5977



74.9813, 80.8342, 37.5578



63.7030, 77.5821, 40.8964



16.8292, 17.8714, 16.7123



29.8928, 30.5836, 4.3277



2.5558, 2.6822, 0.3830



# Inverse Universe

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



42.3827, 41.1270, 86.5934



42.9805, 40.3166, 100.1243



44.3254, 37.4965, 85.7903



15.1621, 15.7583, 19.9641



9.3021, 4.8285, 45.5696

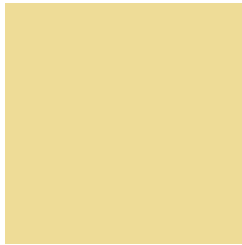


0.8430, 0.5399, 3.8140



# Previews

## White Background



This preview shows how the XYZ color 66.4390, 71.5979, 39.5962 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 66.4390, 71.5979, 39.5962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

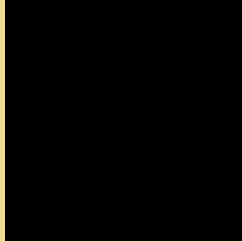
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.4390, 71.5979, 39.5962

## Background



This preview shows how black text looks on a background with the XYZ color 66.4390, 71.5979, 39.5962.



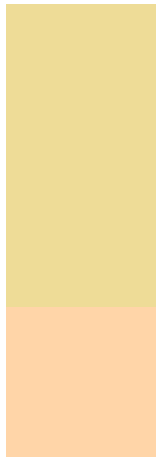
This preview shows how white text looks on a background with the XYZ color 66.4390, 71.5979,



# 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

66.4390, 71.5979, 39.5962

### Protanopia

66.4390, 71.5979, 39.5962

### Deuteranopia

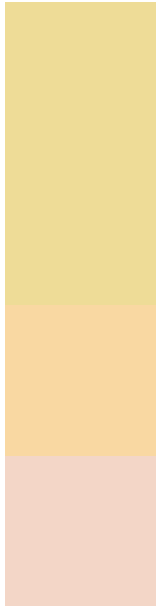
72.1021, 71.6757, 47.0804



## Tritanopia

74.9178, 71.2321, 82.4736

# Trichromacy



## Original Color

66.4390, 71.5979, 39.5962

## Protanomaly

66.4390, 71.5979, 39.5962

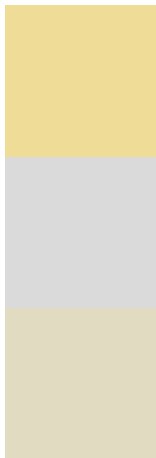
## Deuteranomaly

70.1444, 71.8601, 44.3558

## Tritanomaly

71.3175, 71.2713, 64.0307

# Monochromacy



## Original Color

66.4390, 71.5979, 39.5962

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.1205, 70.5656, 61.1745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4390, 71.5979, 39.5962 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(238, 220, 151)` looks like.

```
.text, #text, p{  
    color:rgb(238, 220, 151)  
}
```

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(238, 220, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 220, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4390, 71.5979, 39.5962 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(238, 220, 151) }
```



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

```
.border{ border-color:rgb(238, 220, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 220, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 220, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 220, 151);  
box-shadow:4px 4px 4px 4px rgb(238, 220,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4390, 71.5979, 39.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 220, 151) }
```

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

```
.background{ background-color: rgb(238,  
220, 151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor