

# Converting Colors

XYZ(42.6401, 67.1954, 40.1402)

Have a look what the booklet for  
XYZ(42.6401, 67.1954, 40.1402)  
contains.

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# Color

**XYZ(42.6368, 67.1555,  
39.9933)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CEF97
RGB	108, 239, 151
RGB Percent	42%, 94%, 59%
CMY	0.5765, 0.0627, 0.4078
CMYK	0.55, 0.00, 0.37, 0.06
HSL	140°, 80%, 68%
HSV	140°, 55%, 94%
XYZ	42.6368, 67.1555, 39.9933
YIQ	189.7990, -49.8280, -55.1400

# Conversions

## Conversions Part 2

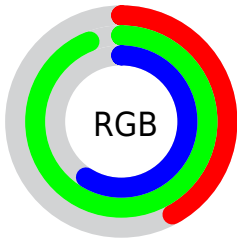
Format	Color
<a href="#">RYB</a>	<a href="#">108, 207, 239</a>
Decimal	<a href="#">7139223</a>
CIELab	<a href="#">85.58, -55.10, 31.91</a>
CIElCh	<a href="#">86, 63.675, 149.924</a>
Yxy	<a href="#">67.1555, 0.2847, 0.4483</a>
Android (android.graphics.Color)	<a href="#">4285329303 (0xFF6CEF97)</a>
YUV	<a href="#">189.7990, -19.1279, -71.7377</a>
Hunter-Lab	<a href="#">81.9485, -50.5384, 28.4286</a>

# Details

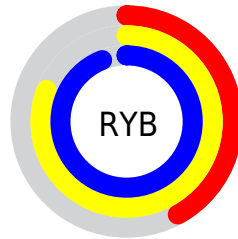
The XYZ color **42.6368, 67.1555, 39.9933** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **50.9252, 33.0628, 55.9248**, and the grayscale version is **48.9565, 51.5060, 56.0901**.

A 20% lighter version of the original color is **63.0490, 84.3011, 71.3412**, and **19.8168, 34.7881, 17.4747** is the 20% darker color. If you saturate the color by 10%, you get **38.9025, 65.3728, 33.4701**, and if you desaturate by 10%, it is **47.3487, 69.4254, 47.4922**.

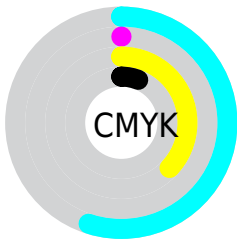
# Distribution



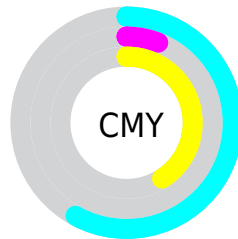
- Red (42%)
- Green (94%)
- Blue (59%)



- Red (42%)
- Yellow (81%)
- Blue (94%)



- Cyan (55%)
- Magenta (0%)
- Yellow (37%)
- Black (6%)




- Cyan (58%)
- Magenta (6%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6368, 67.1555, 39.9933 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 42.6368, 67.1555, 39.9933 by changing the saturation by 10% instead.





 42.6368, 67.1555,  
39.9933


 42.6368, 67.1555,  
39.9933


348.0629,  
450.4981, 361.6466


 29.7935, 49.2110,  
27.2196


 78.4216, 115.1432,  
76.3903

 19.8292, 34.7869,  
17.5043

 102.0939,  
145.9552, 100.8506

 12.3785, 23.4988,  
10.4290


 130.1065,  
181.8251, 130.0436

 7.0760, 14.9622,  
5.5750

162.8249,  
223.1375, 164.3877

 3.5565, 8.7929,  
2.5238

200.6144,  
270.2765, 204.3015

 1.4544, 4.6063,  
0.8527

243.8403,

 0.2945, 2.0182,

323.6267, 250.2036

0.0000

292.8680,  
383.5724, 302.5124

0.0000, 0.6180,  
0.0000

0.0000, 0.0000,  
0.0000

42.6368, 67.1555,  
39.9933

42.6368, 67.1555,  
39.9933

38.9025, 65.3728,  
33.4701

47.3487, 69.4254,  
47.4922

36.0667, 64.0318,  
27.8772


53.0991, 72.2074,  
56.0004


34.0458, 63.0920,  
23.1726

59.9496, 75.5346,  
65.5555


32.7364, 62.5011,  
19.3086

67.9558, 79.4348,  
76.1918

 32.2591, 62.2921,  
17.6161

 77.1690, 83.9339,  
87.9419

 87.6377, 89.0561,  
100.8372

 90.1578, 90.2155,  
107.2693

# Harmonies

## Analogous

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



50.9210, 67.1555, 23.4927



42.6368, 67.1555, 39.9933



39.8355, 67.1555, 73.0155

# Triad

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



42.6368, 67.1555, 39.9933



63.7925, 67.1555, 185.3815



91.1337, 67.1555, 40.1156

# Complementary

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



42.6368, 67.1555, 39.9933



50.9252, 33.0628, 55.9248

# 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.



95.9224, 67.1555, 73.2264



42.6368, 67.1555, 39.9933



78.7531, 67.1555, 166.3077

# Square

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



42.6368, 67.1555, 39.9933



50.8662, 67.1555, 166.1254



91.0870, 67.1555, 120.8124



78.8265, 67.1555, 23.5422



# Rectangle

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



42.6368, 67.1555, 39.9933



41.0652, 67.1555, 103.8048



91.0870, 67.1555, 120.8124



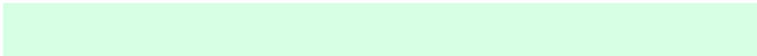
93.7521, 67.1555, 49.1713

# Sweetspot

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



42.6385, 67.1583, 39.9948



77.4970, 91.4251, 86.6646



56.7371, 74.7590, 25.6276



16.1610, 19.3608, 17.9897



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.



42.6385, 67.1583, 39.9948



44.5407, 75.4831, 37.7909



49.3165, 69.8294, 75.1606



15.7798, 17.7420, 17.8635



17.8801, 34.4441, 10.0178



1.5316, 2.8831, 1.0660



# Inverse Universe

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



50.9252, 33.0628, 55.9248



55.0209, 32.1867, 57.8076



45.1271, 30.7436, 25.3924



16.2208, 15.9380, 18.7188



23.2676, 11.5795, 19.8578

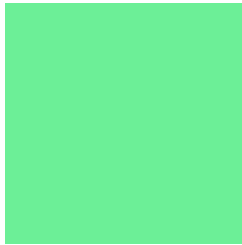


1.9813, 0.9816, 1.8923



# Previews

## White Background



This preview shows how the XYZ color 42.6368, 67.1555, 39.9933 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

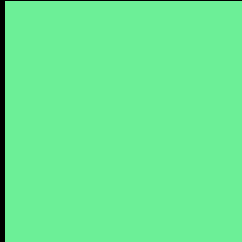
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6368, 67.1555, 39.9933 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

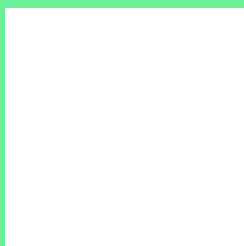
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.6368, 67.1555, 39.9933**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6368, 67.1555, 39.9933.



This preview shows how white text looks on a background with the XYZ color 42.6368, 67.1555,



# 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

42.6368, 67.1555, 39.9933

### Protanopia

60.9102, 65.8034, 34.3020

### Deuteranopia

67.2752, 66.0129, 41.9969



## Tritanopia

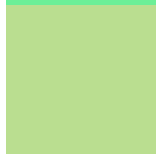
53.7765, 66.5785, 97.2054

# Trichromacy



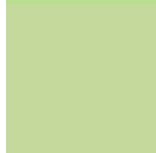
## Original Color

42.6368, 67.1555, 39.9933



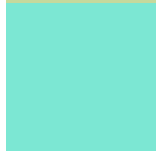
## Protanomaly

51.4050, 64.6953, 36.1637



## Deuteranomaly

54.1023, 64.0318, 40.9604



## Tritanomaly

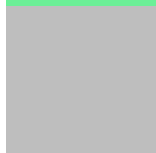
48.6460, 66.1401, 71.8304

# Monochromacy



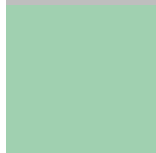
## Original Color

42.6368, 67.1555, 39.9933



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

44.8896, 55.7199, 49.4634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6368, 67.1555, 39.9933 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(108, 239, 151)` looks like.

```
.text, #text, p{  
    color:rgb(108, 239, 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(108, 239, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 239, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6368, 67.1555, 39.9933 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(108, 239, 151) }
```



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

```
.border{ border-color:rgb(108, 239, 151) }
```

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

Here you see how a box with a 4 pixel rgb(108, 239, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 239, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 239, 151);  
box-shadow:4px 4px 4px 4px rgb(108, 239,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6368, 67.1555, 39.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 239, 151) }
```

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

```
.background{ background-color: rgb(108,  
239, 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](#).

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