

# Converting Colors

XYZ(40.4232, 70.9964, 38.3612)

Have a look what the booklet for  
XYZ(40.4232, 70.9964, 38.3612)  
contains.

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# Color

**XYZ(40.4232, 70.9964,  
38.3612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EFA91
RGB	46, 250, 145
RGB Percent	18%, 98%, 57%
CMY	0.8196, 0.0196, 0.4314
CMYK	0.82, 0.00, 0.42, 0.02
HSL	149°, 95%, 58%
HSV	149°, 82%, 98%
XYZ	40.4232, 70.9964, 38.3612
YIQ	177.0340, -87.8790, -75.9030

# Conversions

## Conversions Part 2

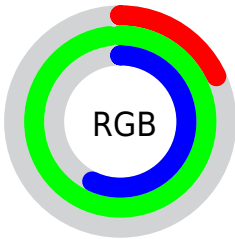
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 183, 250
Decimal	3078801
CIELab	87.48, -70.04, 37.16
CIELCh	87, 79.286, 152.049
Yxy	70.9964, 0.2699, 0.4740
Android (android.graphics.Color)	4281268881 (0xFF2EFA91)
YUV	177.0340, -15.7928, -114.9168
Hunter-Lab	84.2594, -61.8190, 31.9883

# Details

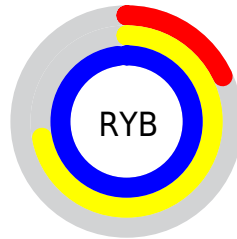
The XYZ color **40.4232, 70.9964, 38.3612** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **45.9897, 24.5140, 31.5895**, and the grayscale version is **41.9234, 44.1067, 48.0322**.

A 20% lighter version of the original color is **54.9377, 80.2022, 67.2286**, and **20.8254, 38.4896, 16.6875** is the 20% darker color. If you saturate the color by 10%, you get **38.6704, 70.2030, 33.3905**, and if you desaturate by 10%, it is **42.9465, 72.1779, 43.9578**.

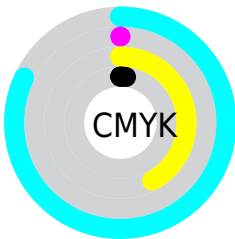
# Distribution



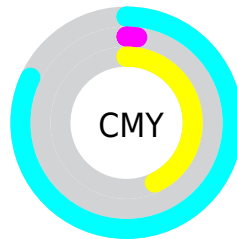
- Red (18%)
- Green (98%)
- Blue (57%)



- Red (18%)
- Yellow (72%)
- Blue (98%)



- Cyan (82%)
- Magenta (0%)
- Yellow (42%)
- Black (2%)




- Cyan (82%)
- Magenta (2%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4232, 70.9964, 38.3612 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 40.4232, 70.9964, 38.3612 by changing the saturation by 10% instead.




 40.4232, 70.9964,  
38.3612


 40.4232, 70.9964,  
38.3612


339.0080,  
464.0409, 354.5114


 28.0543, 52.3393,  
25.9591


 75.0878, 120.6286,  
73.8710


 18.5073, 37.2756,  
16.5676


 98.1142, 152.3724,  
97.8158

 11.4167, 25.4209,  
9.7680


 125.4238,  
189.2473, 126.4452

 6.4172, 16.3909,  
5.1418

 157.3821,  
231.6376, 160.1779

 3.1434, 9.8012,  
2.2705

194.3543,  
279.9277, 199.4323

 1.2301, 5.2674,  
0.7146

236.7057,

 0.1299, 2.4050,

334.5020, 244.6270

0.0000

284.8019,  
395.7449, 296.1805

■ 0.0000, 0.8284,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.4232, 70.9964,  
38.3612

■ 40.4232, 70.9964,  
38.3612

■ 38.6704, 70.2030,  
33.3905


■ 42.9465, 72.1779,  
43.9578


■ 37.6579, 69.7622,  
29.6736


■ 46.3375, 73.7914,  
50.1988


■ 50.6839, 75.8836,  
57.1077


■ 56.0606, 78.4929,  
64.7048

 62.5348, 81.6533,  
73.0098

 70.1676, 85.3962,  
82.0413

 79.0158, 89.7504,  
91.8171

 89.1319, 94.7427,  
102.3545

 93.4769, 96.8538,  
108.3756

# Harmonies

## Analogous

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



50.1297, 70.9964, 18.7231



40.4232, 70.9964, 38.3612



37.5285, 70.9964, 81.0459

# Triad

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



40.4232, 70.9964, 38.3612



68.7745, 70.9964, 232.8020



102.8062, 70.9964, 34.4990

# Complementary

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



40.4232, 70.9964, 38.3612



45.9897, 24.5140, 31.5895

# 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.



110.2076, 70.9964, 73.6772



40.4232, 70.9964, 38.3612



88.4323, 70.9964, 201.6852

# Square

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



40.4232, 70.9964, 38.3612



51.9796, 70.9964, 208.7481



104.5188, 70.9964, 136.3677



85.7909, 70.9964, 17.3278



# Rectangle

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



40.4232, 70.9964, 38.3612



39.3205, 70.9964, 122.8022



104.5188, 70.9964, 136.3677



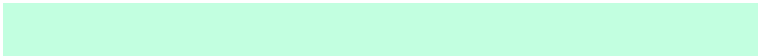
106.6292, 70.9964, 44.7111

# Sweetspot

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



40.4250, 70.9993, 38.3628



71.3435, 88.3176, 83.4522



47.5181, 75.1893, 14.5940



14.6536, 18.6010, 17.1364



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.



40.4250, 70.9993, 38.3628



39.6138, 73.0689, 31.8804



52.0414, 75.6458, 99.5341



17.3684, 19.4496, 20.1403



20.0462, 37.0315, 16.1187



1.9100, 3.4511, 1.7737



# Inverse Universe

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



45.9897, 24.5140, 31.5895



45.5795, 23.0844, 24.5085



40.9661, 22.5045, 5.1356



17.6176, 17.3744, 19.8421



23.0755, 11.6459, 12.3722

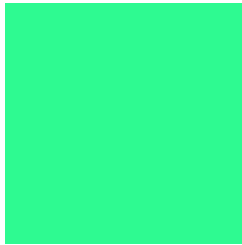


2.1908, 1.1000, 1.4281



# Previews

## White Background



This preview shows how the XYZ color 40.4232, 70.9964, 38.3612 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 40.4232, 70.9964, 38.3612 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 40.4232, 70.9964, 38.3612**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4232, 70.9964, 38.3612.



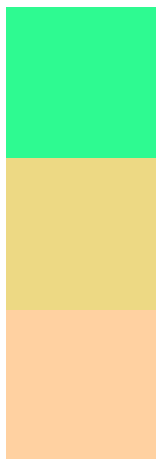
This preview shows how white text looks on a background with the XYZ color 40.4232, 70.9964,



# 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

40.4232, 70.9964, 38.3612

### Protanopia

63.9028, 69.2962, 31.8373

### Deuteranopia

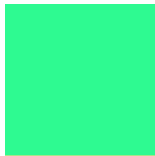
70.4735, 69.4341, 43.4060



## Tritanopia

54.1089, 70.3367, 105.3322

# Trichromacy



## Original Color

40.4232, 70.9964, 38.3612



## Protanomaly

48.6831, 66.1696, 33.8731



## Deuteranomaly

51.1625, 65.2616, 40.9105



## Tritanomaly

47.4674, 69.7482, 75.2509

# Monochromacy



## Original Color

40.4232, 70.9964, 38.3612



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

37.4377, 50.5695, 43.3850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4232, 70.9964, 38.3612 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(46, 250, 145)` looks like.

```
.text, #text, p{  
    color:rgb(46, 250, 145)  
}
```

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(46, 250, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 250, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4232, 70.9964, 38.3612 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(46, 250, 145) }
```



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

```
.border{ border-color:rgb(46, 250, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 250, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 250, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 250, 145);  
box-shadow:4px 4px 4px 4px rgb(46, 250,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4232, 70.9964, 38.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 250, 145) }
```

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

```
.background{ background-color: rgb(46, 250,  
145) }
```

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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