

Converting Colors

XYZ(39.3689, 68.7522, 32.3146)

Have a look what the booklet for
XYZ(39.3689, 68.7522, 32.3146)
contains.

XYZ(39.3689, 68.7522, 32.3146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.3689, 68.7522,
32.3146)**

Conversions

Conversions Part 1

Format	Color
Hex	44F682
RGB	68, 246, 130
RGB Percent	27%, 96%, 51%
CMY	0.7333, 0.0353, 0.4902
CMYK	0.72, 0.00, 0.47, 0.04
HSL	141°, 91%, 62%
HSV	141°, 72%, 96%
XYZ	39.3689, 68.7522, 32.3146
YIQ	179.5540, -68.8520, -73.8120

Conversions

Conversions Part 2

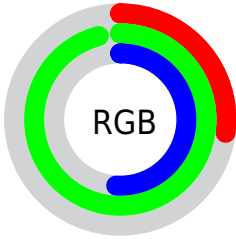
Format	Color
RYB	68, 200, 246
Decimal	4519554
CIELab	86.38, -68.58, 43.11
CIELCh	86, 81.010, 147.846
Yxy	68.7522, 0.2803, 0.4896
Android (android.graphics.Color)	4282709634 (0xFF44F682)
YUV	179.5540, -24.4301, -97.8329
Hunter-Lab	82.9169, -60.3530, 34.9352

Details

The XYZ color **39.3689, 68.7522, 32.3146** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **48.7269, 27.1890, 48.0291**, and the grayscale version is **43.2980, 45.5528, 49.6070**.

A 20% lighter version of the original color is **54.8930, 80.3840, 57.9699**, and **19.3584, 36.5165, 13.2358** is the 20% darker color. If you saturate the color by 10%, you get **37.0059, 67.6508, 27.0185**, and if you desaturate by 10%, it is **42.6222, 70.2971, 38.5306**.

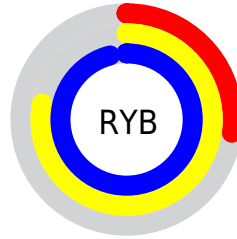
Distribution



Red (27%)

Green (96%)

Blue (51%)



Red (27%)

Yellow (78%)

Blue (96%)

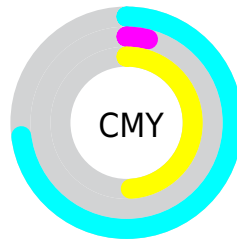


Cyan (72%)

Magenta (0%)

Yellow (47%)

Black (4%)



Cyan (73%)


Magenta (4%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3689, 68.7522, 32.3146 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 39.3689, 68.7522, 32.3146 by changing the saturation by 10% instead.


 39.3689, 68.7522,
32.3146


 39.3689, 68.7522,
32.3146


334.6366,
456.1565, 327.0867


 27.2288, 50.5099,
21.3351


 73.4920, 117.4276,
64.4076


 17.8826, 35.8187,
13.1755


 96.2058, 148.6295,
86.3582

 10.9649, 24.2942,
7.4174

 123.1748,
184.9200, 112.8028

 6.1104, 15.5520,
3.6421

 154.7645,
226.6836, 144.1601

 2.9536, 9.2077,
1.4311

191.3401,
274.3047, 180.8486

 1.1293, 4.8769,
0.1658

233.2671,

 0.0494, 2.1752,

328.1676, 223.2869

0.0000

280.9108,
388.6567, 271.8934

■ 0.0000, 0.7064,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.3689, 68.7522,
32.3146

■ 39.3689, 68.7522,
32.3146

■ 37.0059, 67.6508,
27.0185

■ 42.6222, 70.2971,
38.5306


■ 35.4235, 66.9314,
22.5924


■ 46.8480, 72.3212,
45.7037


■ 34.6242, 66.5810,
19.7647


■ 52.1245, 74.8659,
53.8745

■ 58.5200, 77.9658,
63.0801

 66.0971, 81.6523,
73.3552

 74.9134, 85.9546,
84.7333

 85.0229, 90.8998,
97.2461

 92.2471, 94.3942,
107.9657

Harmonies

Analogous

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



49.9373, 68.7522, 15.7062



39.3689, 68.7522, 32.3146



35.5783, 68.7522, 71.0524

Triad

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



39.3689, 68.7522, 32.3146



64.0037, 68.7522, 232.3060



102.6117, 68.7522, 36.3001

Complementary

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



39.3689, 68.7522, 32.3146



48.7269, 27.1890, 48.0291

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.



108.3094, 68.7522, 78.8001



39.3689, 68.7522, 32.3146



83.6393, 68.7522, 207.9727

Square

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



39.3689, 68.7522, 32.3146



48.0047, 68.7522, 200.4113



100.7953, 68.7522, 144.1979



86.4313, 68.7522, 17.1139

Rectangle

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



39.3689, 68.7522, 32.3146



36.7281, 68.7522, 111.0959



100.7953, 68.7522, 144.1979



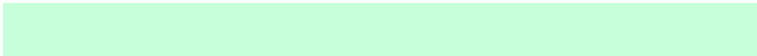
105.9374, 68.7522, 47.5078

Sweetspot

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



39.3706, 68.7550, 32.3162



71.9993, 88.7335, 79.9648



54.4135, 76.8548, 17.4358



14.9023, 18.7449, 16.4402



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.



39.3706, 68.7550, 32.3162



39.2296, 72.9809, 26.8922



47.7795, 72.1186, 76.5967



16.5205, 18.5673, 18.7594



18.5400, 35.5608, 10.8634



1.6762, 3.1441, 1.2005

Inverse Universe

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



48.7269, 27.1890, 48.0291



49.7964, 25.5594, 44.2844



42.2638, 24.6037, 13.9950



16.9542, 16.6645, 19.5051



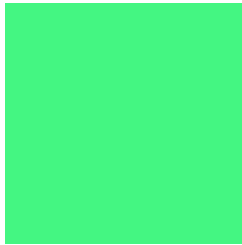
23.7565, 11.8460, 19.2238



2.1364, 1.0605, 1.9446

Previews

White Background



This preview shows how the XYZ color 39.3689, 68.7522, 32.3146 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 39.3689, 68.7522, 32.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

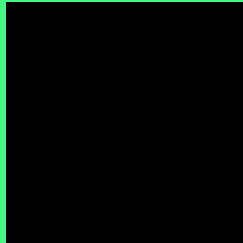
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3689, 68.7522, 32.3146

Background



This preview shows how black text looks on a background with the XYZ color 39.3689, 68.7522, 32.3146.

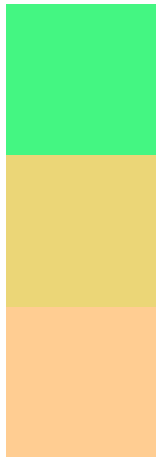


This preview shows how white text looks on a background with the XYZ color 39.3689, 68.7522,

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

39.3689, 68.7522, 32.3146

Protanopia

61.6373, 67.0872, 27.1533

Deuteranopia

68.2596, 66.9980, 36.5284



Tritanopia

52.9513, 68.1230, 101.6250

Trichromacy



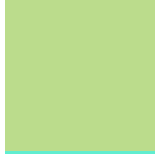
Original Color

39.3689, 68.7522, 32.3146



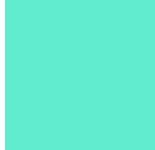
Protanomaly

48.2271, 64.8214, 28.7088



Deuteranomaly

50.8203, 63.6446, 34.4171



Tritanomaly

46.3705, 67.5602, 69.6279

Monochromacy



Original Color

39.3689, 68.7522, 32.3146



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.7619, 51.2833, 42.0381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3689, 68.7522, 32.3146 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(68, 246, 130)` looks like.

```
.text, #text, p{  
    color:rgb(68, 246, 130)  
}
```

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(68, 246, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 246, 130) }
```

Border

The CSS property to change the border of an element to XYZ 39.3689, 68.7522, 32.3146 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(68, 246, 130) }
```


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

```
.border{ border-color:rgb(68, 246, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 246, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 246, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 246, 130);  
box-shadow:4px 4px 4px 4px rgb(68, 246,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3689, 68.7522, 32.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 246, 130) }
```

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

```
.background{ background-color: rgb(68, 246,  
130) }
```

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