

Converting Colors

XYZ(39.6308, 69.3146, 30.6660)

Have a look what the booklet for
XYZ(39.6308, 69.3146, 30.6660)
contains.

XYZ(39.7101, 69.4187, 30.7082)	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(39.7101, 69.4187,
30.7082)**

Conversions

Conversions Part 1

Format	Color
Hex	49F77D
RGB	73, 247, 125
RGB Percent	29%, 97%, 49%
CMY	0.7137, 0.0314, 0.5098
CMYK	0.70, 0.00, 0.49, 0.03
HSL	138°, 92%, 63%
HSV	138°, 70%, 97%
XYZ	39.7101, 69.4187, 30.7082
YIQ	181.0660, -64.5420, -74.8300

Conversions

Conversions Part 2

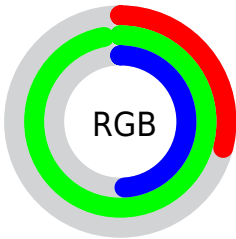
Format	Color
RYB	73, 207, 247
Decimal	4847485
CIELab	86.71, -68.93, 45.93
CIELCh	87, 82.833, 146.324
Yxy	69.4187, 0.2840, 0.4964
Android (android.graphics.Color)	4283037565 (0xFF49F77D)
YUV	181.0660, -27.6405, -94.7739
Hunter-Lab	83.3179, -60.7315, 36.4702

Details

The XYZ color **39.7101, 69.4187, 30.7082** 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 **50.5928, 28.4806, 54.4626**, and the grayscale version is **44.1281, 46.4262, 50.5581**.

A 20% lighter version of the original color is **55.0520, 80.5255, 55.2892**, and **19.4002, 36.8762, 12.3987** is the 20% darker color. If you saturate the color by 10%, you get **37.1853, 68.2360, 25.3105**, and if you desaturate by 10%, it is **43.1738, 71.0671, 37.1599**.

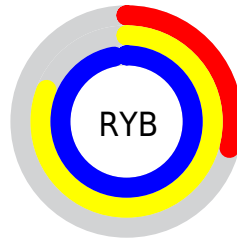
Distribution



Red (29%)

Green (97%)

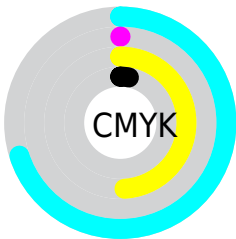
Blue (49%)



Red (29%)

Yellow (81%)

Blue (97%)

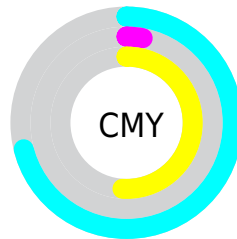


Cyan (70%)

Magenta (0%)

Yellow (49%)

Black (3%)



Cyan (71%)


Magenta (3%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7101, 69.4187, 30.7082 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 39.7101, 69.4187, 30.7082 by changing the saturation by 10% instead.


 39.7101, 69.4187,
30.7082


 39.7101, 69.4187,
30.7082


336.0556,
458.5063, 319.5012


 27.4958, 51.0528,
20.1202


 74.0090, 118.3794,
61.8546


 18.0844, 36.2506,
12.2975


 96.8243, 149.7430,
83.2499

 11.1107, 24.6278,
6.8216


 123.9040,
186.2079, 109.0848

 6.2092, 15.8000,
3.2740

 155.6134,
228.1585, 139.7778

 3.0145, 9.3827,
1.2362

192.3180,
275.9793, 175.7474

 1.1615, 4.9917,
0.0086

234.3829,

 0.0756, 2.2424,

330.0546, 217.4121

0.0000

282.1737,
390.7688, 265.1906

■ 0.0000, 0.7429,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.7101, 69.4187,
30.7082

■ 39.7101, 69.4187,
30.7082

■ 37.1853, 68.2360,
25.3105

■ 43.1738, 71.0671,
37.1599


■ 35.4905, 67.4580,
20.9049

■ 47.6591, 73.2168,
44.7134


■ 34.4920, 67.0162,
17.5639


■ 53.2451, 75.9096,
53.4194

■ 60.0012, 79.1803,
63.3236

 67.9913, 83.0609,
74.4697

 77.2744, 87.5810,
86.8987

 87.9055, 92.7682,
100.6500

 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



50.8821, 69.4187, 14.8054



39.7101, 69.4187, 30.7082



35.4930, 69.4187, 68.9876

Triad

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



39.7101, 69.4187, 30.7082



63.6346, 69.4187, 238.5273



105.0523, 69.4187, 37.6320

Complementary

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



39.7101, 69.4187, 30.7082



50.5928, 28.4806, 54.4626

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.



110.2692, 69.4187, 82.5905



39.7101, 69.4187, 30.7082



83.8039, 69.4187, 216.0760

Square

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



39.7101, 69.4187, 30.7082



47.5018, 69.4187, 202.6676



101.8482, 69.4187, 150.9692



88.7199, 69.4187, 17.2192

Rectangle

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



39.7101, 69.4187, 30.7082



36.4385, 69.4187, 109.4888



101.8482, 69.4187, 150.9692



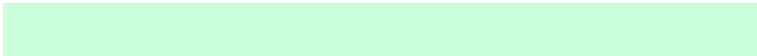
108.2858, 69.4187, 49.5206

Sweetspot

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



39.7118, 69.4215, 30.7098



72.5520, 89.0334, 79.3166



57.6755, 78.9709, 18.5068



14.9962, 18.7978, 16.2433



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.



39.7118, 69.4215, 30.7098



39.0181, 72.9166, 24.8567



47.5563, 72.5593, 72.0180



16.4860, 18.5535, 18.5776



18.2953, 35.4630, 9.5751



1.6514, 3.1342, 1.0701

Inverse Universe

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



50.5928, 28.4806, 54.4626



51.2599, 26.3898, 51.2356



43.5949, 25.6815, 17.6126



16.9903, 16.6790, 19.6955



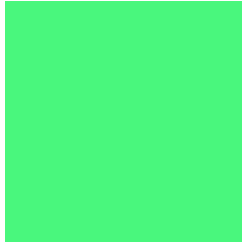
24.3503, 12.0836, 22.3510



2.1853, 1.0801, 2.2023

Previews

White Background



This preview shows how the XYZ color 39.7101, 69.4187, 30.7082 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 39.7101, 69.4187, 30.7082 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 39.7101, 69.4187, 30.7082

Background



This preview shows how black text looks on a background with the XYZ color 39.7101, 69.4187, 30.7082.

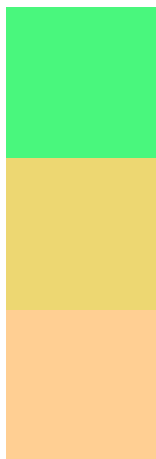


This preview shows how white text looks on a background with the XYZ color 39.7101, 69.4187,

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

39.7101, 69.4187, 30.7082

Protanopia

62.2628, 67.8203, 25.7286

Deuteranopia

68.8193, 67.9922, 37.1004



Tritanopia

53.9121, 69.0191, 102.5760

Trichromacy



Original Color

39.7101, 69.4187, 30.7082



Protanomaly

48.8706, 65.5933, 27.2246



Deuteranomaly

51.7677, 64.9254, 34.2295



Tritanomaly

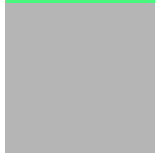
46.9706, 68.3146, 69.1030

Monochromacy



Original Color

39.7101, 69.4187, 30.7082



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.4197, 51.9866, 41.6750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7101, 69.4187, 30.7082 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(73, 247, 125)` looks like.

```
.text, #text, p{  
    color:rgb(73, 247, 125)  
}
```

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(73, 247, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 247, 125) }
```

Border

The CSS property to change the border of an element to XYZ 39.7101, 69.4187, 30.7082 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(73, 247, 125) }
```


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

```
.border{ border-color:rgb(73, 247, 125) }
```

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

Here you see how a box with a 4 pixel rgb(73, 247, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 247, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 247, 125);  
box-shadow:4px 4px 4px 4px rgb(73, 247,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7101, 69.4187, 30.7082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 247, 125) }
```

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

```
.background{ background-color: rgb(73, 247,  
125) }
```

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