

Converting Colors

XYZ(39.6545, 70.6981, 31.8060)

Have a look what the booklet for
XYZ(39.6545, 70.6981, 31.8060)
contains.

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Color

**XYZ(39.7128, 70.7705,
31.9891)**

Conversions

Conversions Part 1

Format	Color
Hex	38FA80
RGB	56, 250, 128
RGB Percent	22%, 98%, 50%
CMY	0.7804, 0.0196, 0.4980
CMYK	0.78, 0.00, 0.49, 0.02
HSL	142°, 95%, 60%
HSV	142°, 78%, 98%
XYZ	39.7128, 70.7705, 31.9891
YIQ	178.0860, -76.4620, -79.0700

Conversions

Conversions Part 2

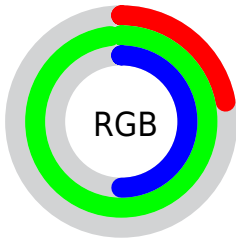
Format	Color
RYB	56, 197, 250
Decimal	3734144
CIELab	87.37, -71.78, 45.27
CIELCh	87, 84.864, 147.759
Yxy	70.7705, 0.2787, 0.4967
Android (android.graphics.Color)	4281924224 (0xFF38FA80)
YUV	178.0860, -24.6924, -107.0694
Hunter-Lab	84.1252, -62.9550, 36.3423

Details

The XYZ color **39.7128, 70.7705, 31.9891** 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 **48.8766, 26.3680, 44.6354**, and the grayscale version is **42.5198, 44.7341, 48.7155**.

A 20% lighter version of the original color is **53.8230, 79.8444, 57.3745**, and **20.1541, 38.2211, 13.1527** is the 20% darker color. If you saturate the color by 10%, you get **37.6925, 69.8414, 26.9057**, and if you desaturate by 10%, it is **42.5937, 72.1287, 37.9530**.

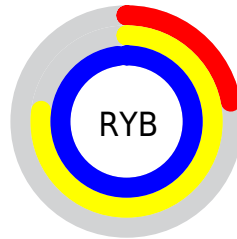
Distribution



Red (22%)

Green (98%)

Blue (50%)



Red (22%)

Yellow (77%)

Blue (98%)

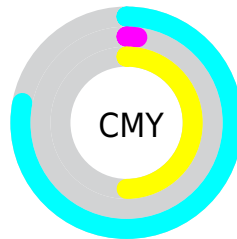


Cyan (78%)

Magenta (0%)

Yellow (49%)

Black (2%)



Cyan (78%)


Magenta (2%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7128, 70.7705, 31.9891 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 39.7128, 70.7705, 31.9891 by changing the saturation by 10% instead.


 39.7128, 70.7705,
31.9891


 39.7128, 70.7705,
31.9891


336.0668,
463.2508, 325.5608


 27.4979, 52.1549,
21.0884


 74.0131, 120.3069,
63.8917


 18.0860, 37.1286,
12.9968


 96.8292, 151.9965,
85.7307

 11.1118, 25.3071,
7.2956


 123.9098,
188.8129, 112.0529

 6.2100, 16.3060,
3.5664

 155.6202,
231.1405, 143.2769

 3.0150, 9.7409,
1.3906

192.3257,
279.3637, 179.8211

 1.1617, 5.2275,
0.1344

234.3917,

 0.0758, 2.3814,

333.8669, 222.1041

0.0000

282.1836,
395.0344, 270.5445

0.0000, 0.8163,
0.0000

0.0000, 0.0000,
0.0000

39.7128, 70.7705,
31.9891

39.7128, 70.7705,
31.9891

37.6925, 69.8414,
26.9057

42.5937, 72.1287,
37.9530


36.3993, 69.2675,
22.6534


46.4283, 73.9571,
44.8329


36.1532, 69.1604,
21.7498


51.3023, 76.3014,
52.6685


57.2903, 79.1992,
61.4950

 64.4596, 82.6845,
71.3463

 72.8721, 86.7886,
82.2542

 82.5852, 91.5404,
94.2495

 93.2810, 96.7755,
107.3439

 93.4770, 96.8539,
108.3757

Harmonies

Analogous

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



50.9053, 70.7705, 14.9299



39.7128, 70.7705, 31.9891



35.7059, 70.7705, 72.8331

Triad

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



39.7128, 70.7705, 31.9891



65.7737, 70.7705, 247.6754



107.3302, 70.7705, 36.3190

Complementary

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



39.7128, 70.7705, 31.9891



48.8766, 26.3680, 44.6354

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.



113.4425, 70.7705, 81.4412



39.7128, 70.7705, 31.9891



86.8011, 70.7705, 221.2670

Square

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



39.7128, 70.7705, 31.9891



48.7743, 70.7705, 212.6862



105.2914, 70.7705, 151.9571



89.9228, 70.7705, 16.4177

Rectangle

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



39.7128, 70.7705, 31.9891



36.9004, 70.7705, 115.7434



105.2914, 70.7705, 151.9571



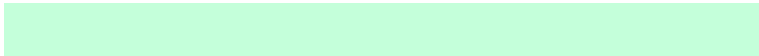
110.9083, 70.7705, 48.1230

Sweetspot

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



39.7146, 70.7734, 31.9907



71.2863, 88.3708, 79.7100



53.4614, 78.2278, 16.0236



14.6001, 18.5942, 16.1974



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.



39.7146, 70.7734, 31.9907



38.6011, 72.6849, 25.5937



49.2913, 74.6041, 82.4210



17.2837, 19.4158, 19.6948



19.2396, 36.7089, 11.8712



1.8312, 3.4196, 1.3592

Inverse Universe

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



48.8766, 26.3680, 44.6354



48.4277, 24.4773, 38.7247



42.3583, 23.7607, 10.3106



17.7038, 17.4089, 20.2961



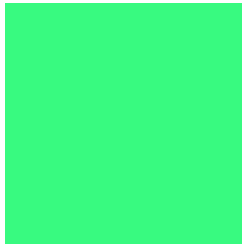
24.2218, 12.1044, 18.4080



2.2946, 1.1416, 1.9746

Previews

White Background



This preview shows how the XYZ color 39.7128, 70.7705, 31.9891 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 39.7128, 70.7705, 31.9891 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 39.7128, 70.7705, 31.9891

Background



This preview shows how black text looks on a background with the XYZ color 39.7128, 70.7705, 31.9891.

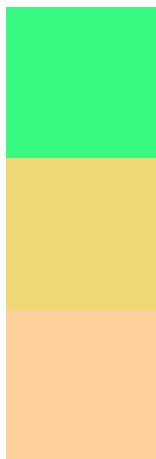


This preview shows how white text looks on a background with the XYZ color 39.7128, 70.7705, 31.9891.

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

39.7128, 70.7705, 31.9891

Protanopia

63.5618, 69.2374, 26.5371

Deuteranopia

69.8732, 69.1940, 40.2449



Tritanopia

54.2298, 70.3991, 105.3379

Trichromacy



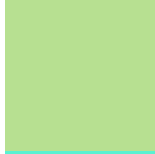
Original Color

39.7128, 70.7705, 31.9891



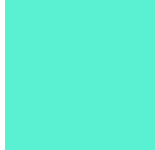
Protanomaly

48.4227, 66.1653, 27.9883



Deuteranomaly

51.2949, 65.4229, 36.7124



Tritanomaly

47.0837, 69.6379, 71.2815

Monochromacy



Original Color

39.7128, 70.7705, 31.9891



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.7695, 50.7921, 41.0709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7128, 70.7705, 31.9891 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(56, 250, 128)` looks like.

```
.text, #text, p{  
    color:rgb(56, 250, 128)  
}
```

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(56, 250, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 250, 128) }
```

Border

The CSS property to change the border of an element to XYZ 39.7128, 70.7705, 31.9891 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(56, 250, 128) }
```


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

```
.border{ border-color:rgb(56, 250, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 250, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 250, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 250, 128);  
box-shadow:4px 4px 4px 4px rgb(56, 250,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7128, 70.7705, 31.9891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 250, 128) }
```

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

```
.background{ background-color: rgb(56, 250,  
128) }
```

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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