

Converting Colors

XYZ(39.1266, 70.6823, 20.3079)

Have a look what the booklet for
XYZ(39.1266, 70.6823, 20.3079)
contains.

XYZ(39.1736, 70.7486, 20.3953)	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(39.1736, 70.7486,
20.3953)**

Conversions

Conversions Part 1

Format	Color
Hex	50FA56
RGB	80, 250, 86
RGB Percent	31%, 98%, 34%
CMY	0.6863, 0.0196, 0.6627
CMYK	0.68, 0.00, 0.66, 0.02
HSL	122°, 94%, 65%
HSV	122°, 68%, 98%
XYZ	39.1736, 70.7486, 20.3953
YIQ	180.4740, -48.6760, -87.0440

Conversions

Conversions Part 2

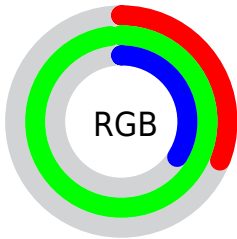
Format	Color
RYB	80, 244, 250
Decimal	5306966
CIELab	87.36, -73.43, 63.78
CIELCh	87, 97.263, 139.025
Yxy	70.7486, 0.3006, 0.5429
Android (android.graphics.Color)	4283497046 (0xFF50FA56)
YUV	180.4740, -46.5757, -88.1157
Hunter-Lab	84.1122, -64.0635, 44.5020

Details

The XYZ color **39.1736, 70.7486, 20.3953** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **58.6238, 32.5939, 88.7893**, and the grayscale version is **43.9007, 46.1870, 50.2976**.

A 20% lighter version of the original color is **53.0369, 79.8626, 38.2109**, and **18.9850, 37.7534, 6.9960** is the 20% darker color. If you saturate the color by 10%, you get **36.6290, 69.5329, 16.0320**, and if you desaturate by 10%, it is **42.8340, 72.5059, 26.5244**.

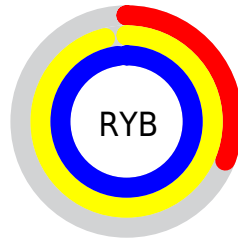
Distribution



Red (31%)

Green (98%)

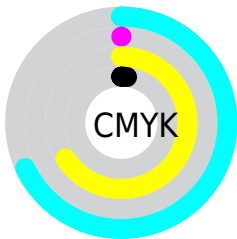
Blue (34%)



Red (31%)

Yellow (96%)

Blue (98%)

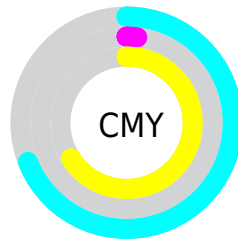


Cyan (68%)

Magenta (0%)

Yellow (66%)

Black (2%)



Cyan (69%)


Magenta (2%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1736, 70.7486, 20.3953 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 39.1736, 70.7486, 20.3953 by changing the saturation by 10% instead.


 39.1736, 70.7486,
20.3953


 39.1736, 70.7486,
20.3953


333.8225,
463.1741, 266.7218

 27.0761, 52.1371,
12.4958


 73.1958, 120.2757,
44.9466


 17.7673, 37.1143,
6.9557


 95.8513, 151.9600,
62.4355

 10.8817, 25.2960,
3.3564


 122.7568,
188.7708, 83.9579

 6.0541, 16.2977,
1.2793

 154.2777,
231.0923, 109.9323

 2.9190, 9.7351,
0.0448

190.7794,
279.3090, 140.7774

 1.1110, 5.2237,
0.0000

232.6272,

 0.0343, 2.3791,

333.8053, 176.9117

0.0000

280.1864,
394.9655, 218.7536

■ 0.0000, 0.8151,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.1736, 70.7486,
20.3953

■ 39.1736, 70.7486,
20.3953

■ 36.6290, 69.5329,
16.0320

■ 42.8340, 72.5059,
26.5244

■ 35.0686, 68.7885,
13.2436


■ 47.7131, 74.8480,
34.5746


■ 34.3265, 68.4371,
11.8037


■ 53.9074, 77.8238,
44.6897


■ 34.2354, 68.3934,
11.6504

■ 61.5027, 81.4747,
56.9985

 70.5774, 85.8387,
71.6193

 81.2041, 90.9508,
88.6620

 93.4492, 96.8430,
108.2293

 93.4770, 96.8541,
108.3757

Harmonies

Analogous

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



53.8856, 70.7486, 8.7362



39.1736, 70.7486, 20.3953



32.6137, 70.7486, 55.4295

Triad

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



39.1736, 70.7486, 20.3953



59.2037, 70.7486, 279.0440



118.0627, 70.7486, 42.7991

Complementary

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



39.1736, 70.7486, 20.3953



58.6238, 32.5939, 88.7893

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.



120.4068, 70.7486, 103.6268



39.1736, 70.7486, 20.3953



82.6465, 70.7486, 268.3740

Square

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



39.1736, 70.7486, 20.3953



42.3028, 70.7486, 216.8866



106.2759, 70.7486, 192.8681



100.4540, 70.7486, 15.6563

Rectangle

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



39.1736, 70.7486, 20.3953



32.4533, 70.7486, 98.5604



106.2759, 70.7486, 192.8681



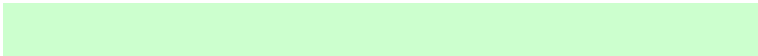
120.7910, 70.7486, 58.8937

Sweetspot

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



39.1753, 70.7515, 20.3969



71.7783, 88.8040, 71.6238



73.0606, 88.2468, 20.7722



14.7769, 18.7256, 14.3861



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.



39.1753, 70.7515, 20.3969



37.5314, 72.3582, 15.3911



44.8146, 73.0073, 50.0929



17.0422, 19.3192, 18.4230



18.1696, 36.2809, 6.2367



1.6913, 3.3636, 0.6222

Inverse Universe

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



58.6238, 32.5939, 88.7893



59.0966, 29.9596, 91.1617



48.5819, 28.5771, 35.9093



17.9650, 17.5134, 21.6714



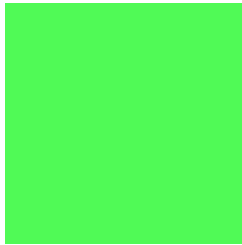
29.3590, 14.1593, 45.4606



2.7272, 1.3146, 4.2529

Previews

White Background



This preview shows how the XYZ color 39.1736, 70.7486, 20.3953 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 39.1736, 70.7486, 20.3953 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 39.1736, 70.7486, 20.3953

Background



This preview shows how black text looks on a background with the XYZ color 39.1736, 70.7486, 20.3953.

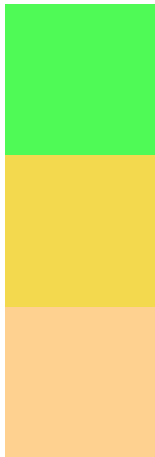


This preview shows how white text looks on a background with the XYZ color 39.1736, 70.7486,

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

39.1736, 70.7486, 20.3953

Protanopia

62.7704, 69.0388, 17.0386

Deuteranopia

69.1513, 68.9053, 36.4434



Tritanopia

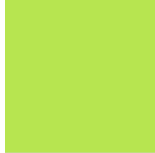
55.6099, 70.2975, 103.5663

Trichromacy



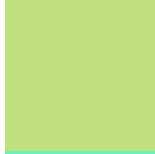
Original Color

39.1736, 70.7486, 20.3953



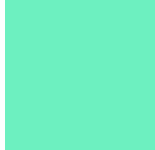
Protanomaly

48.9957, 66.6851, 17.8786



Deuteranomaly

51.7796, 65.8429, 29.0487



Tritanomaly

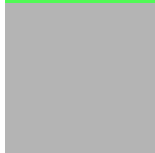
46.9812, 69.3772, 60.7841

Monochromacy



Original Color

39.1736, 70.7486, 20.3953



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.5212, 51.6673, 35.1366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1736, 70.7486, 20.3953 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(80, 250, 86)` looks like.

```
.text, #text, p{  
    color:rgb(80, 250, 86)  
}
```

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(80, 250, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 250, 86) }
```

Border

The CSS property to change the border of an element to XYZ 39.1736, 70.7486, 20.3953 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(80, 250, 86) }
```


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

```
.border{ border-color:rgb(80, 250, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 250, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 250, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 250, 86);  
box-shadow:4px 4px 4px 4px rgb(80, 250,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1736, 70.7486, 20.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 250, 86) }
```

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

```
.background{ background-color: rgb(80, 250,  
86) }
```

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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