

Converting Colors

XYZ(39.1224, 70.5280, 25.1913)

Have a look what the booklet for
XYZ(39.1224, 70.5280, 25.1913)
contains.

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Color

**XYZ(39.1710, 70.6408,
25.2062)**

Conversions

Conversions Part 1

Format	Color
Hex	44FA6A
RGB	68, 250, 106
RGB Percent	27%, 98%, 42%
CMY	0.7333, 0.0196, 0.5843
CMYK	0.73, 0.00, 0.58, 0.02
HSL	133°, 95%, 62%
HSV	133°, 73%, 98%
XYZ	39.1710, 70.6408, 25.2062
YIQ	179.1660, -62.2480, -83.3680

Conversions

Conversions Part 2

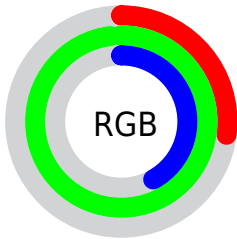
Format	Color
RYB	68, 219, 250
Decimal	4520554
CIELab	87.31, -73.21, 55.32
CIELCh	87, 91.763, 142.927
Yxy	70.6408, 0.2901, 0.5232
Android (android.graphics.Color)	4282710634 (0xFF44FA6A)
YUV	179.1660, -36.0708, -97.4926
Hunter-Lab	84.0481, -63.8934, 41.0525

Details

The XYZ color **39.1710, 70.6408, 25.2062** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **53.3770, 29.2127, 65.1135**, and the grayscale version is **43.1480, 45.3950, 49.4352**.

A 20% lighter version of the original color is **53.0082, 79.6687, 46.3020**, and **19.4472, 37.9383, 9.4298** is the 20% darker color. If you saturate the color by 10%, you get **36.8721, 69.5631, 20.3352**, and if you desaturate by 10%, it is **42.4534, 72.2021, 31.3647**.

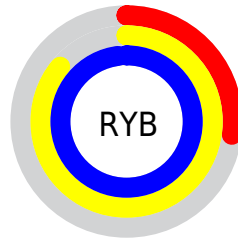
Distribution



Red (27%)

Green (98%)

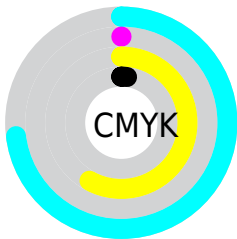
Blue (42%)



Red (27%)

Yellow (86%)

Blue (98%)

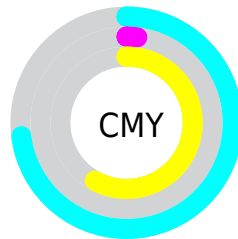


Cyan (73%)

Magenta (0%)

Yellow (58%)

Black (2%)



Cyan (73%)


Magenta (2%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1710, 70.6408, 25.2062 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 39.1710, 70.6408, 25.2062 by changing the saturation by 10% instead.


 39.1710, 70.6408,
25.2062


 39.1710, 70.6408,
25.2062


333.8116,
462.7968, 292.3438


 27.0741, 52.0491,
16.0103


 73.1919, 120.1221,
52.9598


 17.7658, 37.0442,
9.3770


 95.8466, 151.7806,
72.3546

 10.8806, 25.2417,
4.8878


 122.7512,
188.5634, 95.9862

 6.0533, 16.2572,
2.1240

 154.2712,
230.8549, 124.2730

 2.9185, 9.7064,
0.6300

190.7719,
279.0397, 157.6336

 1.1108, 5.2047,
0.0000

232.6186,

 0.0341, 2.3679,

333.5020, 196.4866

0.0000

280.1767,
394.6262, 241.2505

■ 0.0000, 0.8093,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.1710, 70.6408,
25.2062

■ 39.1710, 70.6408,
25.2062

■ 36.8721, 69.5631,
20.3352

■ 42.4534, 72.2021,
31.3647


■ 35.4330, 68.9012,
16.6549


■ 46.8130, 74.2875,
38.8885


■ 34.8114, 68.6238,
14.6837


■ 52.3381, 76.9431,
47.8551

■ 59.1062, 80.2072,
58.3345

 67.1882, 84.1151,
70.3924

 76.6493, 88.6991,
84.0903

 87.5505, 93.9894,
99.4866

 93.4770, 96.8540,
108.3757

Harmonies

Analogous

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



52.2355, 70.6408, 11.1636



39.1710, 70.6408, 25.2062



33.7998, 70.6408, 63.1878

Triad

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



39.1710, 70.6408, 25.2062



62.1598, 70.6408, 265.4757



113.0846, 70.6408, 39.2789

Complementary

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



39.1710, 70.6408, 25.2062



53.3770, 29.2127, 65.1135

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.



117.3315, 70.6408, 92.5007



39.1710, 70.6408, 25.2062



84.6445, 70.6408, 246.5613

Square

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



39.1710, 70.6408, 25.2062



45.0997, 70.6408, 216.0893



106.0030, 70.6408, 173.1351



95.4008, 70.6408, 15.7135

Rectangle

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



39.1710, 70.6408, 25.2062



34.2678, 70.6408, 106.6925



106.0030, 70.6408, 173.1351



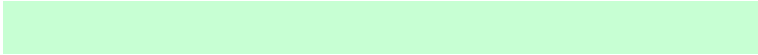
116.2666, 70.6408, 53.2691

Sweetspot

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



39.1727, 70.6437, 25.2078



70.9962, 88.3322, 74.6825



62.8465, 83.0280, 18.1826



14.6685, 18.6514, 15.2088



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.



39.1727, 70.6437, 25.2078



37.8206, 72.4172, 19.4724



46.4670, 73.5614, 63.6190



17.1656, 19.3685, 19.0728



18.5060, 36.4154, 8.0080



1.7507, 3.3874, 0.9349

Inverse Universe

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



53.3770, 29.2127, 65.1135



53.2566, 26.9435, 62.5055



45.0434, 25.8793, 21.2297



17.8287, 17.4588, 20.9535



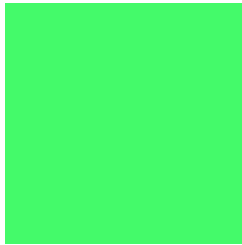
26.3606, 12.9600, 29.6710



2.4790, 1.2154, 2.9460

Previews

White Background



This preview shows how the XYZ color 39.1710, 70.6408, 25.2062 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 39.1710, 70.6408, 25.2062 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 39.1710, 70.6408, 25.2062

Background



This preview shows how black text looks on a background with the XYZ color 39.1710, 70.6408, 25.2062.

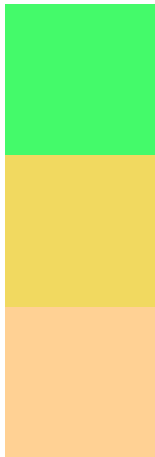


This preview shows how white text looks on a background with the XYZ color 39.1710, 70.6408,

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

39.1710, 70.6408, 25.2062

Protanopia

63.1998, 69.1710, 21.0867

Deuteranopia

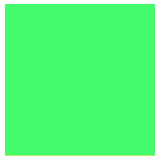
69.3858, 68.9990, 37.6781



Tritanopia

54.8002, 70.2854, 104.4441

Trichromacy



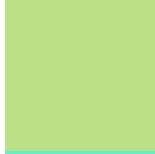
Original Color

39.1710, 70.6408, 25.2062



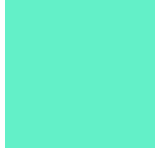
Protanomaly

48.6797, 66.4237, 22.3120



Deuteranomaly

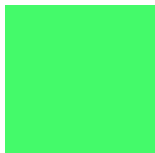
51.3828, 65.5696, 32.1383



Tritanomaly

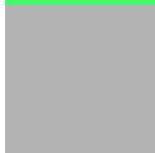
46.7310, 69.1430, 65.5265

Monochromacy



Original Color

39.1710, 70.6408, 25.2062



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.1463, 51.4186, 37.6200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1710, 70.6408, 25.2062 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, 250, 106)` looks like.

```
.text, #text, p{  
    color:rgb(68, 250, 106)  
}
```

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, 250, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 250, 106) }
```

Border

The CSS property to change the border of an element to XYZ 39.1710, 70.6408, 25.2062 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, 250, 106) }
```


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

```
.border{ border-color:rgb(68, 250, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 250, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 250, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 250, 106);  
box-shadow:4px 4px 4px 4px rgb(68, 250,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1710, 70.6408, 25.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 250, 106) }
```

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

```
.background{ background-color: rgb(68, 250,  
106) }
```

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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