

Converting Colors

XYZ(39.8471, 68.6881, 22.1315)

Have a look what the booklet for
XYZ(39.8471, 68.6881, 22.1315)
contains.

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Color

**XYZ(39.9093, 68.8020,
22.2430)**

Conversions

Conversions Part 1

Format	Color
Hex	63F560
RGB	99, 245, 96
RGB Percent	39%, 96%, 38%
CMY	0.6118, 0.0392, 0.6235
CMYK	0.60, 0.00, 0.61, 0.04
HSL	119°, 88%, 67%
HSV	119°, 61%, 96%
XYZ	39.9093, 68.8020, 22.2430
YIQ	184.3600, -39.1870, -77.2910

Conversions

Conversions Part 2

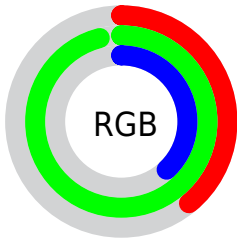
Format	Color
RYB	96, 245, 242
Decimal	6550880
CIELab	86.41, -66.99, 58.77
CIELCh	86, 89.120, 138.740
Yxy	68.8020, 0.3048, 0.5254
Android (android.graphics.Color)	4284740960 (0xFF63F560)
YUV	184.3600, -43.5615, -74.8607
Hunter-Lab	82.9470, -59.2733, 42.1637

Details

The XYZ color **39.9093, 68.8020, 22.2430** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **57.2863, 33.8382, 89.9020**, and the grayscale version is **46.0098, 48.4058, 52.7140**.

A 20% lighter version of the original color is **56.2462, 81.4357, 42.0323**, and **18.1365, 35.6871, 7.8519** is the 20% darker color. If you saturate the color by 10%, you get **36.7084, 67.2646, 17.0950**, and if you desaturate by 10%, it is **44.2442, 70.8875, 29.2811**.

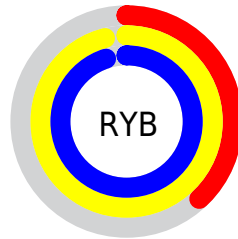
Distribution



Red (39%)

Green (96%)

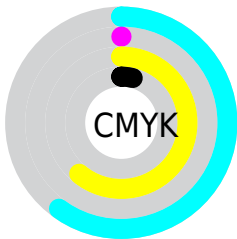
Blue (38%)



Red (38%)

Yellow (96%)

Blue (95%)

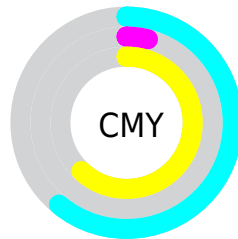


Cyan (60%)

Magenta (0%)

Yellow (61%)

Black (4%)



Cyan (61%)


Magenta (4%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9093, 68.8020, 22.2430 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 39.9093, 68.8020, 22.2430 by changing the saturation by 10% instead.


 39.9093, 68.8020,
22.2430


 39.9093, 68.8020,
22.2430


336.8821,
456.3323, 276.8075


 27.6517, 50.5505,
13.8355


 74.3106, 117.4987,
48.0546


 18.2024, 35.8510,
7.8689


 97.1850, 148.7127,
66.2959

 11.1960, 24.3191,
3.9246


 124.3291,
185.0163, 88.6521

 6.2671, 15.5705,
1.5841

 156.1083,
226.7939, 115.5419

 3.0503, 9.2208,
0.2794

192.8878,
274.4299, 147.3838

 1.1804, 4.8855,
0.0000


235.0330,

 0.0908, 2.1802,


328.3088, 184.5964


0.0000


282.9093,
388.8147, 227.5980


 0.0000, 0.7092,
0.0000


 0.0000, 0.0000,
0.0000


 39.9093, 68.8020,
22.2430


 39.9093, 68.8020,
22.2430


 36.7084, 67.2646,
17.0950


 44.2442, 70.8875,
29.2811


 34.5314, 66.2163,
13.6507


 49.8005, 73.5566,
38.3633


 33.2549, 65.6002,
11.6941

 56.6626, 76.8518,
49.6330

 32.7155, 65.3394,
10.8875

 64.9060, 80.8092,
63.2195

 74.6004, 85.4623,
79.2419

 85.8110, 90.8422,
97.8113

 91.9438, 93.7876,
107.8646

Harmonies

Analogous

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



53.4762, 68.8020, 10.6560



39.9093, 68.8020, 22.2430



33.7318, 68.8020, 54.8754

Triad

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



39.9093, 68.8020, 22.2430



57.9611, 68.8020, 250.3315



110.5324, 68.8020, 44.0591

Complementary

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



39.9093, 68.8020, 22.2430



57.2863, 33.8382, 89.9020

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.



112.4412, 68.8020, 99.3179



39.9093, 68.8020, 22.2430



78.9632, 68.8020, 241.8670

Square

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



39.9093, 68.8020, 22.2430



42.5966, 68.8020, 196.6369



99.9175, 68.8020, 177.3880



95.1479, 68.8020, 17.9029

Rectangle

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



39.9093, 68.8020, 22.2430



33.5377, 68.8020, 93.5072



99.9175, 68.8020, 177.3880



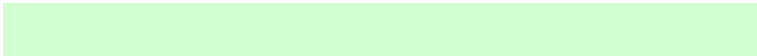
112.8758, 68.8020, 58.9644

Sweetspot

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



39.9110, 68.8049, 22.2445



73.8659, 89.8334, 73.8330



70.9406, 82.6004, 23.2719



15.1849, 18.9278, 14.7706



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.



39.9110, 68.8049, 22.2445



39.5464, 73.3484, 17.6792



44.3187, 70.5309, 47.1325



16.3130, 18.4879, 17.5063



17.6374, 35.2052, 5.8657



1.5608, 3.0997, 0.5160

Inverse Universe

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



57.2863, 33.8382, 89.9020



60.0452, 32.0148, 97.6225



49.6253, 30.8935, 44.1480



17.1788, 16.7503, 20.8703



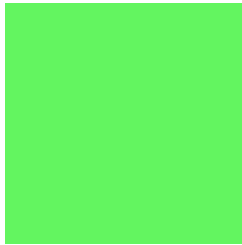
28.2666, 13.5463, 47.6629



2.4947, 1.1959, 4.1896

Previews

White Background



This preview shows how the XYZ color 39.9093, 68.8020, 22.2430 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 39.9093, 68.8020, 22.2430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

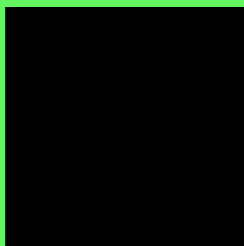
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

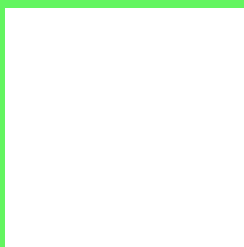
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9093, 68.8020, 22.2430

Background



This preview shows how black text looks on a background with the XYZ color 39.9093, 68.8020, 22.2430.



This preview shows how white text looks on a background with the XYZ color 39.9093, 68.8020,

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

39.9093, 68.8020, 22.2430

Protanopia

61.6173, 67.6397, 18.8250

Deuteranopia

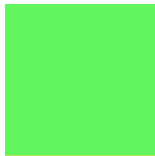
67.8267, 67.2088, 33.0646



Tritanopia

55.2318, 68.5218, 99.1220

Trichromacy



Original Color

39.9093, 68.8020, 22.2430



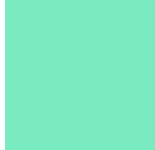
Protanomaly

49.7809, 65.8223, 19.7541



Deuteranomaly

52.3948, 64.5973, 28.1194



Tritanomaly

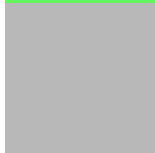
47.3600, 67.4045, 60.9663

Monochromacy



Original Color

39.9093, 68.8020, 22.2430



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.8757, 53.1819, 37.8165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9093, 68.8020, 22.2430 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(99, 245, 96)` looks like.

```
.text, #text, p{  
    color:rgb(99, 245, 96)  
}
```

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(99, 245, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 245, 96) }
```

Border

The CSS property to change the border of an element to XYZ 39.9093, 68.8020, 22.2430 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(99, 245, 96) }
```


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

```
.border{ border-color:rgb(99, 245, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 245, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 245, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 245, 96);  
box-shadow:4px 4px 4px 4px rgb(99, 245,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9093, 68.8020, 22.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 245, 96) }
```

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

```
.background{ background-color: rgb(99, 245,  
96) }
```

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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