

Converting Colors

XYZ(39.8234, 71.9612, 22.8573)

Have a look what the booklet for
XYZ(39.8234, 71.9612, 22.8573)
contains.

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Color

**XYZ(39.8234, 71.9612,
22.8573)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFC60
RGB	75, 252, 96
RGB Percent	29%, 99%, 38%
CMY	0.7059, 0.0117, 0.6235
CMYK	0.70, 0.00, 0.62, 0.01
HSL	127°, 97%, 64%
HSV	127°, 70%, 99%
XYZ	39.8234, 71.9612, 22.8573
YIQ	181.2930, -55.4160, -86.0400

Conversions

Conversions Part 2

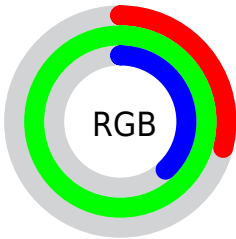
Format	Color
RYB	75, 233, 252
Decimal	4979808
CIELab	87.95, -73.92, 60.36
CIELCh	88, 95.431, 140.766
Yxy	71.9612, 0.2958, 0.5345
Android (android.graphics.Color)	4283169888 (0xFF4BFC60)
YUV	181.2930, -42.0494, -93.2190
Hunter-Lab	84.8299, -64.6556, 43.4054

Details

The XYZ color **39.8234, 71.9612, 22.8573** 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 **57.0867, 31.4983, 78.6734**, and the grayscale version is **44.3234, 46.6317, 50.7819**.

A 20% lighter version of the original color is **53.0230, 79.7741, 41.8815**, and **19.6416, 38.7235, 8.2729** is the 20% darker color. If you saturate the color by 10%, you get **37.3465, 70.7884, 18.1375**, and if you desaturate by 10%, it is **43.3725, 73.6576, 29.1379**.

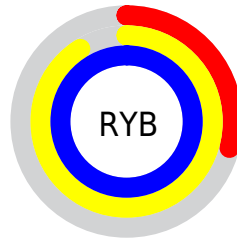
Distribution



Red (29%)

Green (99%)

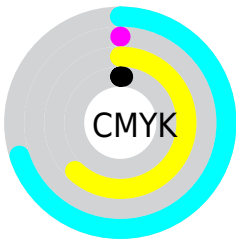
Blue (38%)



Red (29%)

Yellow (91%)

Blue (99%)

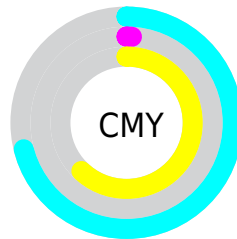


Cyan (70%)

Magenta (0%)

Yellow (62%)

Black (1%)



Cyan (71%)


Magenta (1%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8234, 71.9612, 22.8573 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 39.8234, 71.9612, 22.8573 by changing the saturation by 10% instead.


 39.8234, 71.9612,
22.8573


 39.8234, 71.9612,
22.8573


336.5259,
467.4065, 280.0893


 27.5845, 53.1270,
14.2839


 74.1806, 122.0014,
49.0791


 18.1515, 37.9041,
8.1774


 97.0295, 153.9761,
67.5646

 11.1592, 25.9083,
4.1193


 124.1459,
191.0998, 90.1912

 6.2421, 16.7551,
1.6910

 155.8950,
233.7569, 117.3774

 3.0349, 10.0600,
0.3545

192.6421,
282.3317, 149.5418

 1.1722, 5.4388,
0.0000

234.7528,

 0.0843, 2.5069,

337.2086, 187.1028

0.0000

282.5922,
398.7721, 230.4792

■ 0.0000, 0.8801,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8234, 71.9612,
22.8573

■ 39.8234, 71.9612,
22.8573

■ 37.3465, 70.7884,
18.1375

■ 43.3725, 73.6576,
29.1379


■ 35.8135, 70.0695,
14.8371


■ 48.0932, 75.9200,
37.0948


■ 35.0449, 69.7169,
12.8314


■ 54.0790, 78.7963,
46.8381

■ 61.4125, 82.3271,
58.4673

 70.1695, 86.5494,
72.0745

 80.4200, 91.4974,
87.7456

 92.2292, 97.2032,
105.5617

 94.1018, 98.1037,
108.5839

Harmonies

Analogous

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



54.0428, 71.9612, 9.9194



39.8234, 71.9612, 22.8573



33.6932, 71.9612, 59.9357

Triad

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



39.8234, 71.9612, 22.8573



61.6208, 71.9612, 278.1979



117.9395, 71.9612, 41.8279

Complementary

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



39.8234, 71.9612, 22.8573



57.0867, 31.4983, 78.6734

Split Complementary

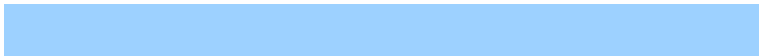
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.2377, 71.9612, 100.2037



39.8234, 71.9612, 22.8573



85.0913, 71.9612, 263.3230

Square

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



39.8234, 71.9612, 22.8573



44.3115, 71.9612, 220.7810



108.1395, 71.9612, 187.1723



99.9299, 71.9612, 15.8939

Rectangle

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



39.8234, 71.9612, 22.8573



33.8199, 71.9612, 104.1355



108.1395, 71.9612, 187.1723



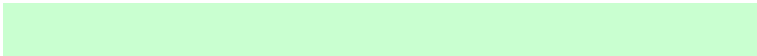
120.9409, 71.9612, 57.2223

Sweetspot

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



39.8251, 71.9642, 22.8589



71.3296, 88.5444, 72.8796



69.1513, 87.1796, 19.8396



14.7103, 18.6834, 14.7377



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.



39.8251, 71.9642, 22.8589



37.6563, 72.3832, 17.1745



46.3814, 74.5867, 57.3839



17.1011, 19.3427, 18.7332



18.2817, 36.3257, 6.8270



1.7192, 3.3748, 0.7693

Inverse Universe

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



57.0867, 31.4983, 78.6734



56.2505, 28.5219, 77.0969



47.6095, 27.7074, 28.7669



17.8991, 17.4870, 21.3246



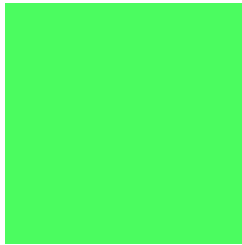
27.8232, 13.5450, 37.3732



2.6012, 1.2642, 3.5893

Previews

White Background



This preview shows how the XYZ color 39.8234, 71.9612, 22.8573 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 39.8234, 71.9612, 22.8573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

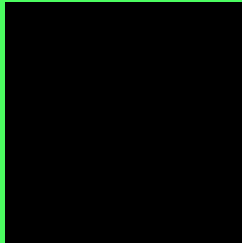
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8234, 71.9612, 22.8573

Background



This preview shows how black text looks on a background with the XYZ color 39.8234, 71.9612, 22.8573.

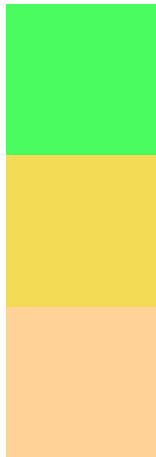


This preview shows how white text looks on a background with the XYZ color 39.8234, 71.9612,

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

39.8234, 71.9612, 22.8573

Protanopia

64.3195, 70.5680, 19.0351

Deuteranopia

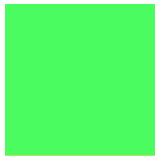
70.2018, 70.1155, 39.5394



Tritanopia

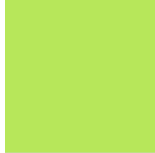
56.2138, 71.4219, 105.4308

Trichromacy



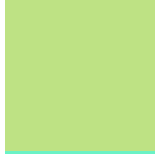
Original Color

39.8234, 71.9612, 22.8573



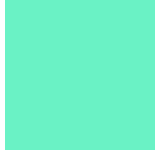
Protanomaly

49.9498, 67.9573, 20.1573



Deuteranomaly

52.5964, 67.0058, 31.9911



Tritanomaly

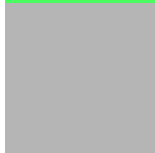
47.7740, 70.5997, 63.9325

Monochromacy



Original Color

39.8234, 71.9612, 22.8573



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

38.9732, 52.5784, 36.9487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8234, 71.9612, 22.8573 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(75, 252, 96)` looks like.

```
.text, #text, p{  
    color:rgb(75, 252, 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(75, 252, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 252, 96) }
```

Border

The CSS property to change the border of an element to XYZ 39.8234, 71.9612, 22.8573 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(75, 252, 96) }
```


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

```
.border{ border-color:rgb(75, 252, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 252, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 252, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 252, 96);  
box-shadow:4px 4px 4px 4px rgb(75, 252,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8234, 71.9612, 22.8573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 252, 96) }
```

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

```
.background{ background-color: rgb(75, 252,  
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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