

Converting Colors

XYZ(39.2734, 73.0831, 23.2960)

Have a look what the booklet for
XYZ(39.2734, 73.0831, 23.2960)
contains.

XYZ(39.2829, 73.0869, 23.3460)	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(39.2829, 73.0869,
23.3460)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF61
RGB	51, 255, 97
RGB Percent	20%, 100%, 38%
CMY	0.8000, 0.0000, 0.6196
CMYK	0.80, 0.00, 0.62, 0.00
HSL	134°, 100%, 60%
HSV	134°, 80%, 100%
XYZ	39.2829, 73.0869, 23.3460
YIQ	175.9920, -70.8660, -92.3860

Conversions

Conversions Part 2

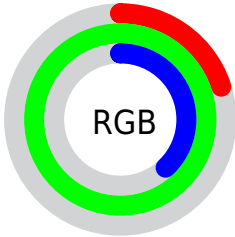
Format	Color
RYB	51, 217, 255
Decimal	3407713
CIELab	88.49, -77.94, 60.45
CIELCh	88, 98.636, 142.205
Yxy	73.0869, 0.2894, 0.5385
Android (android.graphics.Color)	4281597793 (0xFF33FF61)
YUV	175.9920, -38.9431, -109.6180
Hunter-Lab	85.4909, -67.5886, 43.6526

Details

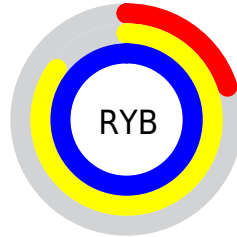
The XYZ color **39.2829, 73.0869, 23.3460** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **53.9321, 28.2311, 62.9262**, and the grayscale version is **41.4861, 43.6466, 47.5311**.

A 20% lighter version of the original color is **50.7876, 78.6123, 42.2027**, and **20.3325, 40.0790, 8.5838** is the 20% darker color. If you saturate the color by 10%, you get **37.5220, 72.2725, 19.0409**, and if you desaturate by 10%, it is **41.9770, 74.3557, 28.8936**.

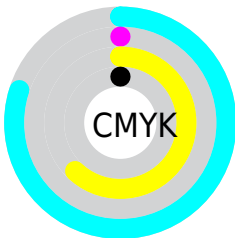
Distribution



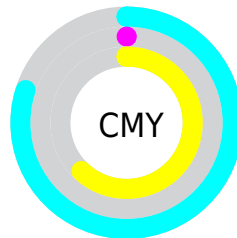
- Red (20%)
- Green (100%)
- Blue (38%)



- Red (20%)
- Yellow (85%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2829, 73.0869, 23.3460 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 39.2829, 73.0869, 23.3460 by changing the saturation by 10% instead.


 39.2829, 73.0869,
23.3460


 39.2829, 73.0869,
23.3460


334.2783,
471.3159, 282.6765


 27.1616, 54.0470,
14.6415


 73.3616, 123.6006,
49.8912


 17.8318, 38.6393,
8.4244


 96.0497, 155.8431,
68.5690

 10.9283, 26.4792,
4.2760


 122.9908,
193.2554, 91.4083

 6.0856, 17.1825,
1.7780

 154.5502,
236.2218, 118.8277

 2.9383, 10.3647,
0.4134

191.0933,
285.1266, 151.2456

 1.1212, 5.6414,
0.0000

232.9854,

 0.0428, 2.6283,

340.3543, 189.0807

0.0000

280.5920,
402.2893, 232.7515

■ 0.0000, 0.9409,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2829, 73.0869,
23.3460

■ 39.2829, 73.0869,
23.3460

■ 37.5220, 72.2725,
19.0409

■ 41.9770, 74.3557,
28.8936

■ 36.5112, 71.8205,
15.8758

■ 45.7195, 76.1368,
35.7669

■ 36.5112, 71.8205,
15.8756

■ 50.6095, 78.4795,
44.0458

■ 56.7339, 81.4272,
53.8026

■ 64.1711, 85.0187,
65.1051

■ 72.9926, 89.2897,
78.0163

■ 83.2652, 94.2734,
92.5960

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.6068, 73.0869, 9.5409



39.2829, 73.0869, 23.3460



33.3501, 73.0869, 63.1342

Triad

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



39.2829, 73.0869, 23.3460



63.4585, 73.0869, 292.0333



120.8697, 73.0869, 39.6975

Complementary

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



39.2829, 73.0869, 23.3460



53.9321, 28.2311, 62.9262

Split Complementary

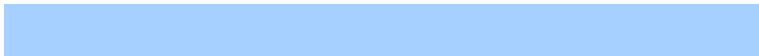
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



125.2068, 73.0869, 98.6573



39.2829, 73.0869, 23.3460



88.1821, 73.0869, 272.3063

Square

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



39.2829, 73.0869, 23.3460



45.0826, 73.0869, 233.9994



112.1337, 73.0869, 189.5689



101.3593, 73.0869, 14.5334

Rectangle

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



39.2829, 73.0869, 23.3460



33.7253, 73.0869, 110.5339



112.1337, 73.0869, 189.5689



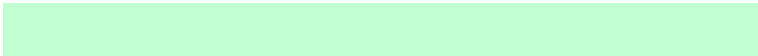
124.3059, 73.0869, 55.0213

Sweetspot

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



39.2832, 73.0870, 23.3472



69.2930, 87.4973, 72.6540



63.1644, 85.5784, 16.3213



14.1674, 18.4065, 14.5762



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.



39.2832, 73.0870, 23.3472



36.8536, 71.9722, 17.0123



47.2264, 76.2643, 65.1752



17.9393, 20.2352, 19.9833



19.1238, 37.5461, 8.5371



1.9012, 3.6714, 1.0374

Inverse Universe

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



53.9321, 28.2311, 62.9262



51.7522, 25.6420, 56.7403



45.1735, 24.7276, 16.8039



18.6071, 18.2261, 21.8139



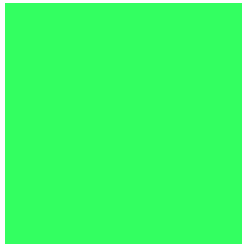
26.9037, 13.2508, 29.2072



2.6604, 1.3065, 3.0592

Previews

White Background



This preview shows how the XYZ color 39.2829, 73.0869, 23.3460 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 39.2829, 73.0869, 23.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

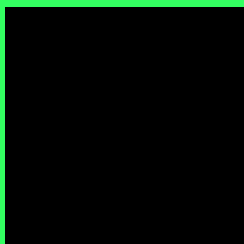
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2829, 73.0869, 23.3460

Background



This preview shows how black text looks on a background with the XYZ color 39.2829, 73.0869, 23.3460.

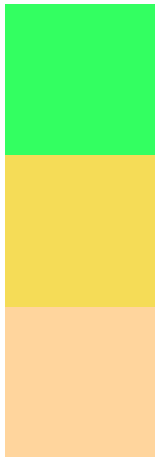


This preview shows how white text looks on a background with the XYZ color 39.2829, 73.0869,

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

39.2829, 73.0869, 23.3460

Protanopia

64.9697, 71.2870, 19.3523

Deuteranopia

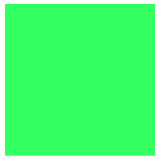
71.1201, 71.2828, 41.9088



Tritanopia

56.9384, 72.2240, 105.5474

Trichromacy



Original Color

39.2829, 73.0869, 23.3460



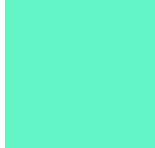
Protanomaly

48.4828, 68.0318, 20.4737



Deuteranomaly

51.1726, 67.0598, 33.1684



Tritanomaly

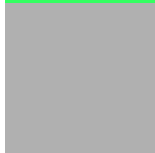
47.6893, 71.4312, 64.7002

Monochromacy



Original Color

39.2829, 73.0869, 23.3460



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.4579, 50.5945, 35.4480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2829, 73.0869, 23.3460 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(51, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 97)  
}
```

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(51, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 97) }
```

Border

The CSS property to change the border of an element to XYZ 39.2829, 73.0869, 23.3460 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(51, 255, 97) }
```


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

```
.border{ border-color:rgb(51, 255, 97) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2829, 73.0869, 23.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 97) }
```

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

```
.background{ background-color: rgb(51, 255,  
97) }
```

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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