

Converting Colors

XYZ(39.9986, 73.2155, 34.2404)

Have a look what the booklet for
XYZ(39.9986, 73.2155, 34.2404)
contains.

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Color

**XYZ(39.9936, 73.2135,
34.2140)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF85
RGB	0, 255, 133
RGB Percent	0%, 100%, 52%
CMY	1.0000, 0.0000, 0.4784
CMYK	1.00, 0.00, 0.48, 0.00
HSL	151°, 100%, 50%
HSV	151°, 100%, 100%
XYZ	39.9936, 73.2135, 34.2140
YIQ	164.8470, -112.8180, -92.0020

Conversions

Conversions Part 2

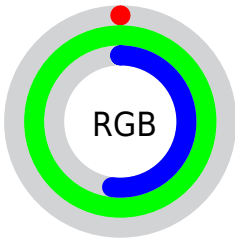
Format	Color
RYB	0, 168, 255
Decimal	65413
CIELab	88.55, -75.97, 44.29
CIELCh	89, 87.936, 149.760
Yxy	73.2135, 0.2713, 0.4966
Android (android.graphics.Color)	4278255493 (0xFF00FF85)
YUV	164.8470, -15.7006, -144.5708
Hunter-Lab	85.5649, -66.3065, 36.1877

Details

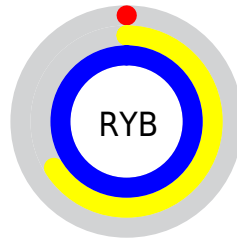
The XYZ color **39.9936, 73.2135, 34.2140** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **44.7535, 22.6656, 20.4314**, and the grayscale version is **35.8040, 37.6686, 41.0211**.

A 20% lighter version of the original color is **52.0396, 78.8638, 60.0564**, and **21.4515, 40.5266, 14.4764** is the 20% darker color. If you saturate the color by 10%, you get **39.9935, 73.2134, 34.2131**, and if you desaturate by 10%, it is **41.3002, 73.7839, 38.9354**.

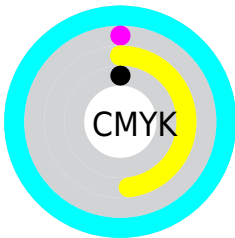
Distribution



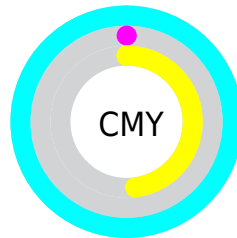
- Red (0%)
- Green (100%)
- Blue (52%)



- Red (0%)
- Yellow (66%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9936, 73.2135, 34.2140 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 39.9936, 73.2135, 34.2140 by changing the saturation by 10% instead.


 39.9936, 73.2135,
34.2140


 39.9936, 73.2135,
34.2140


337.2315,
471.7544, 335.8835


 27.7177, 54.1506,
22.7794


 74.4382, 123.7803,
67.4040


 18.2524, 38.7220,
14.2269


 97.3376, 156.0529,
89.9965


 11.2321, 26.5436,
8.1381


 124.5089,
193.4975, 117.1453

 6.2916, 17.2307,
4.0944

 156.3175,
236.4985, 149.2690

 3.0655, 10.3991,
1.6773

 193.1287,
285.4403, 186.7861

 1.1885, 5.6644,
0.3451

235.3078,

 0.0973, 2.6421,

340.7073, 230.1152

0.0000

283.2203,
402.6839, 279.6748

■ 0.0000, 0.9479,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9936, 73.2135,
34.2140

■ 39.9936, 73.2135,
34.2140


■ 39.9935, 73.2134,
34.2131


■ 41.3002, 73.7839,
38.9354


■ 43.2462, 74.6723,
44.2132


■ 45.9996, 75.9649,
50.0723


■ 49.6641, 77.7148,
56.5329

 54.3270, 79.9667,
63.6134

 60.0646, 82.7597,
71.3315

 66.9458, 86.1289,
79.7040

 75.0333, 90.1063,
88.7469

 84.3851, 94.7217,
98.4757

Harmonies

Analogous

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



51.2624, 73.2135, 15.2741



39.9936, 73.2135, 34.2140



36.2830, 73.2135, 79.2285

Triad

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



39.9936, 73.2135, 34.2140



69.4165, 73.2135, 262.5501



111.2802, 73.2135, 34.6987

Complementary

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



39.9936, 73.2135, 34.2140



44.7535, 22.6656, 20.4314

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.



118.7894, 73.2135, 80.2076



39.9936, 73.2135, 34.2140



91.8290, 73.2135, 229.9437

Square

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



39.9936, 73.2135, 34.2140



51.0213, 73.2135, 228.9532



111.0466, 73.2135, 154.0917



92.1856, 73.2135, 15.4373

Rectangle

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



39.9936, 73.2135, 34.2140



37.8588, 73.2135, 126.0215



111.0466, 73.2135, 154.0917



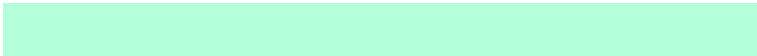
115.3967, 73.2135, 46.4225

Sweetspot

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



39.9940, 73.2136, 34.2152



66.9423, 86.1271, 79.6999



43.9652, 75.7499, 12.3043



13.6767, 18.1152, 16.2862



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.



39.9940, 73.2136, 34.2152



39.9935, 73.2134, 34.2131



52.4693, 76.0585, 106.5231



18.1673, 20.3264, 21.1839



20.9734, 38.2860, 18.2773



2.0973, 3.7499, 2.0705

Inverse Universe

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



44.7535, 22.6656, 20.4314



44.7530, 22.6652, 20.4293



41.2863, 21.3525, 1.9458



18.3713, 18.1318, 20.5725



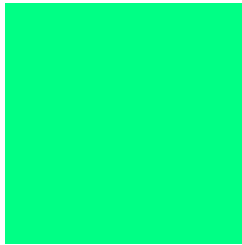
23.4588, 11.8728, 11.0667



2.3389, 1.1779, 1.3662

Previews

White Background



This preview shows how the XYZ color 39.9936, 73.2135, 34.2140 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 39.9936, 73.2135, 34.2140 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

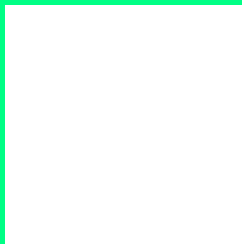
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9936, 73.2135, 34.2140

Background



This preview shows how black text looks on a background with the XYZ color 39.9936, 73.2135, 34.2140.



This preview shows how white text looks on a background with the XYZ color 39.9936, 73.2135,

Color Blindness Simulation

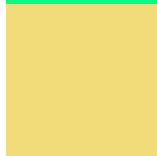
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



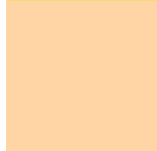
Original Color

39.9936, 73.2135, 34.2140



Protanopia

65.6623, 71.4441, 28.4185



Deuteranopia

71.9172, 71.6017, 46.1065



Tritanopia

56.9367, 72.6542, 105.6305

Trichromacy



Original Color

39.9936, 73.2135, 34.2140



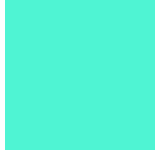
Protanomaly

46.1670, 66.6285, 29.8294



Deuteranomaly

48.4764, 65.5013, 40.6599



Tritanomaly

47.3330, 71.0668, 72.8506

Monochromacy



Original Color

39.9936, 73.2135, 34.2140



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.7696, 45.6913, 37.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9936, 73.2135, 34.2140 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(0, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 133)  
}
```

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(0, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 39.9936, 73.2135, 34.2140 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(0, 255, 133) }
```


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

```
.border{ border-color:rgb(0, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9936, 73.2135, 34.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 133) }
```

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

```
.background{ background-color: rgb(0, 255,  
133) }
```

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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