

Converting Colors

XYZ(39.6307, 73.3083, 21.4584)

Have a look what the booklet for
XYZ(39.6307, 73.3083, 21.4584)
contains.

XYZ(39.6131, 73.2980, 21.5113)	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(39.6131, 73.2980,
21.5113)**

Conversions

Conversions Part 1

Format	Color
Hex	3FFF59
RGB	63, 255, 89
RGB Percent	25%, 100%, 35%
CMY	0.7529, 0.0000, 0.6510
CMYK	0.75, 0.00, 0.65, 0.00
HSL	128°, 100%, 62%
HSV	128°, 75%, 100%
XYZ	39.6131, 73.2980, 21.5113
YIQ	178.6680, -61.1460, -92.3300

Conversions

Conversions Part 2

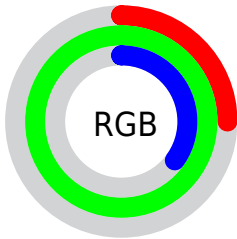
Format	Color
RYB	63, 232, 255
Decimal	4194137
CIELab	88.59, -77.34, 63.84
CIELCh	89, 100.283, 140.459
Yxy	73.2980, 0.2947, 0.5453
Android (android.graphics.Color)	4282384217 (0xFF3FFF59)
YUV	178.6680, -44.2063, -101.4408
Hunter-Lab	85.6143, -67.2343, 45.0329

Details

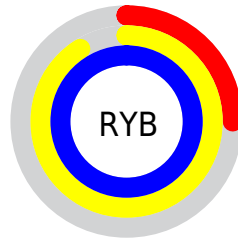
The XYZ color **39.6131, 73.2980, 21.5113** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **57.1600, 30.4722, 76.9955**, and the grayscale version is **42.9225, 45.1578, 49.1768**.

A 20% lighter version of the original color is **51.3521, 78.9676, 39.3238**, and **20.1527, 40.0071, 7.6373** is the 20% darker color. If you saturate the color by 10%, you get **37.5530, 72.3274, 17.2851**, and if you desaturate by 10%, it is **42.7043, 74.7681, 27.2348**.

Distribution



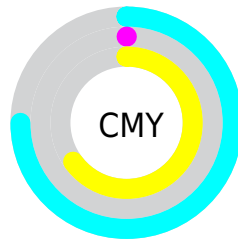
- Red (25%)
- Green (100%)
- Blue (35%)



- Red (25%)
- Yellow (91%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6131, 73.2980, 21.5113 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 39.6131, 73.2980, 21.5113 by changing the saturation by 10% instead.


 39.6131, 73.2980,
21.5113


 39.6131, 73.2980,
21.5113


335.6526,
472.0470, 272.8532


 27.4199, 54.2197,
13.3034


 73.8621, 123.9002,
46.8287


 18.0270, 38.7773,
7.5046


 96.6486, 156.1928,
64.7753

 11.0692, 26.5865,
3.6964


 123.6968,
193.6590, 86.8052

 6.1810, 17.2629,
1.4603

 155.3723,
236.6831, 113.3370

 2.9972, 10.4221,
0.1881

192.0402,
285.6496, 144.7891

 1.1523, 5.6797,
0.0000

234.0660,

 0.0682, 2.6513,

340.9428, 181.5801

0.0000

281.8150,
402.9471, 224.1286

0.0000, 0.9525,
0.0000

0.0000, 0.0000,
0.0000

39.6131, 73.2980,
21.5113

39.6131, 73.2980,
21.5113

37.5530, 72.3274,
17.2851

42.7043, 74.7681,
27.2348


36.3836, 71.7870,
14.4125


46.9401, 76.7937,
34.5745


36.0565, 71.6386,
13.4815


52.4201, 79.4237,
43.6415

59.2324, 82.7015,
54.5360

 67.4573, 86.6665,
67.3504

 77.1685, 91.3549,
82.1711

 88.4349, 96.8003,
99.0790

 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.



54.6477, 73.2980, 8.7691



39.6131, 73.2980, 21.5113



33.1411, 73.2980, 59.7109

Triad

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



39.6131, 73.2980, 21.5113



62.2420, 73.2980, 296.2935



122.9361, 73.2980, 41.7290

Complementary

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



39.6131, 73.2980, 21.5113



57.1600, 30.4722, 76.9955

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.



126.3097, 73.2980, 103.9760



39.6131, 73.2980, 21.5113



87.2145, 73.2980, 280.8491

Square

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



39.6131, 73.2980, 21.5113



44.0631, 73.2980, 232.8206



112.0228, 73.2980, 198.1289



103.6552, 73.2980, 14.8689

Rectangle

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



39.6131, 73.2980, 21.5113



33.2200, 73.2980, 106.5021



112.0228, 73.2980, 198.1289



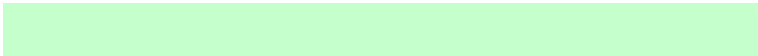
126.1175, 73.2980, 57.9963

Sweetspot

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



39.6134, 73.2982, 21.5125



69.5504, 87.6765, 70.5689



69.0982, 88.6028, 18.1631



14.1885, 18.4295, 14.0297



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.



39.6134, 73.2982, 21.5125



36.9015, 72.0243, 15.7737



46.5249, 76.0628, 57.9078



17.8717, 20.2082, 19.6274



18.8707, 37.4449, 7.2045



1.8666, 3.6576, 0.8555

Inverse Universe

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



57.1600, 30.4722, 76.9955



55.0418, 27.3542, 72.8414



47.2791, 26.5198, 24.9629



18.6806, 18.2555, 22.2011



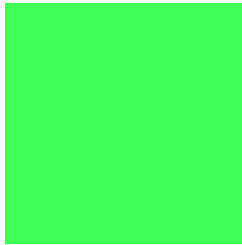
28.3721, 13.8381, 36.9393



2.7905, 1.3586, 3.7442

Previews

White Background



This preview shows how the XYZ color 39.6131, 73.2980, 21.5113 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 39.6131, 73.2980, 21.5113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

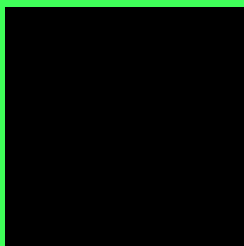
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

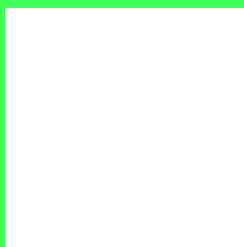
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6131, 73.2980, 21.5113

Background



This preview shows how black text looks on a background with the XYZ color 39.6131, 73.2980, 21.5113.

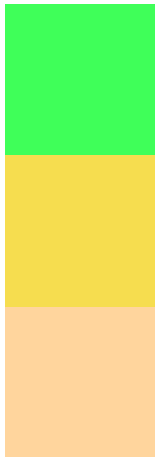


This preview shows how white text looks on a background with the XYZ color 39.6131, 73.2980,

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

39.6131, 73.2980, 21.5113

Protanopia

65.2738, 71.8702, 17.8292

Deuteranopia

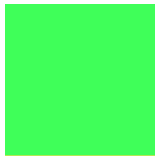
71.1201, 71.2828, 41.9088



Tritanopia

57.5401, 72.5342, 105.5756

Trichromacy



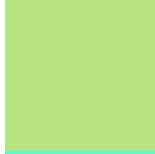
Original Color

39.6131, 73.2980, 21.5113



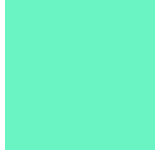
Protanomaly

49.2907, 68.4861, 18.8049



Deuteranomaly

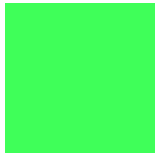
51.9158, 67.4670, 32.1160



Tritanomaly

48.1449, 71.7057, 62.9328

Monochromacy



Original Color

39.6131, 73.2980, 21.5113



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

37.8177, 52.0193, 35.2417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6131, 73.2980, 21.5113 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(63, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 89)  
}
```

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(63, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 89) }
```

Border

The CSS property to change the border of an element to XYZ 39.6131, 73.2980, 21.5113 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(63, 255, 89) }
```


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

```
.border{ border-color:rgb(63, 255, 89) }
```

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

Here you see how a box with a 4 pixel rgb(63, 255, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6131, 73.2980, 21.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 89) }
```

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

```
.background{ background-color: rgb(63, 255,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor