

Converting Colors

XYZ(40.0697, 73.4356, 25.9556)

Have a look what the booklet for
XYZ(40.0697, 73.4356, 25.9556)
contains.

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Color

**XYZ(40.1012, 73.4514,
25.9739)**

Conversions

Conversions Part 1

Format	Color
Hex	39FF6B
RGB	57, 255, 107
RGB Percent	22%, 100%, 42%
CMY	0.7765, 0.0000, 0.5804
CMYK	0.78, 0.00, 0.58, 0.00
HSL	135°, 100%, 61%
HSV	135°, 78%, 100%
XYZ	40.1012, 73.4514, 25.9739
YIQ	178.9260, -70.5000, -88.0040

Conversions

Conversions Part 2

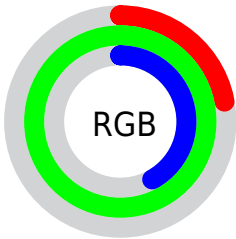
Format	Color
RYB	57, 215, 255
Decimal	3800939
CIELab	88.66, -76.12, 56.41
CIELCh	89, 94.747, 143.458
Yxy	73.4514, 0.2874, 0.5264
Android (android.graphics.Color)	4281991019 (0xFF39FF6B)
YUV	178.9260, -35.4595, -106.9291
Hunter-Lab	85.7038, -66.4607, 42.0239

Details

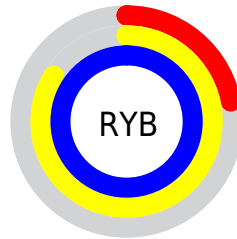
The XYZ color **40.1012, 73.4514, 25.9739** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **53.7225, 28.5942, 60.4443**, and the grayscale version is **43.0185, 45.2588, 49.2869**.

A 20% lighter version of the original color is **52.1131, 79.1970, 46.7223**, and **20.5861, 40.1804, 9.9194** is the 20% darker color. If you saturate the color by 10%, you get **38.0995, 72.5228, 21.2106**, and if you desaturate by 10%, it is **43.0536, 74.8445, 31.9378**.

Distribution



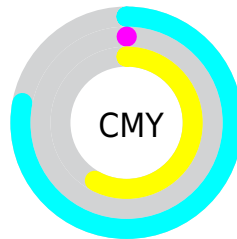
- Red (22%)
- Green (100%)
- Blue (42%)



- Red (22%)
- Yellow (84%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1012, 73.4514, 25.9739 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 40.1012, 73.4514, 25.9739 by changing the saturation by 10% instead.


 40.1012, 73.4514,
25.9739


 40.1012, 73.4514,
25.9739


337.6770,
472.5778, 296.2553


 27.8020, 54.3451,
16.5785


 74.6010, 124.1178,
54.2164

 18.3162, 38.8777,
9.7757


 97.5322, 156.4468,
73.9006

 11.2783, 26.6646,
5.1468


 124.7383,
193.9521, 97.8515

 6.3230, 17.3215,
2.2734

 156.5844,
237.0182, 126.4877

 3.0850, 10.4640,
0.7163

193.4360,
286.0294, 160.2276

 1.1989, 5.7076,
0.0000

235.6584,

 0.1055, 2.6681,

341.3701, 199.4898

0.0000

283.6169,
403.4248, 244.6929

■ 0.0000, 0.9610,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1012, 73.4514,
25.9739

■ 40.1012, 73.4514,
25.9739

■ 38.0995, 72.5228,
21.2106

■ 43.0536, 74.8445,
31.9378

■ 36.9057, 71.9870,
17.5611

■ 47.0651, 76.7565,
39.1735

■ 36.6968, 71.8947,
16.8529

■ 52.2300, 79.2346,
47.7507

■ 58.6314, 82.3203,
57.7330

■ 66.3447, 86.0513,
69.1799

■ 75.4390, 90.4620,
82.1475

■ 85.9787, 95.5845,
96.6886

■ 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.



53.7266, 73.4514, 11.1378



40.1012, 73.4514, 25.9739



34.5969, 73.4514, 66.4640

Triad

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



40.1012, 73.4514, 25.9739



64.9205, 73.4514, 281.7680



118.4387, 73.4514, 39.5801

Complementary

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



40.1012, 73.4514, 25.9739



53.7225, 28.5942, 60.4443

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.



123.2663, 73.4514, 95.2055



40.1012, 73.4514, 25.9739



88.8279, 73.4514, 260.1400

Square

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



40.1012, 73.4514, 25.9739



46.7613, 73.4514, 229.8844



111.4516, 73.4514, 180.8774



99.4157, 73.4514, 15.4565

Rectangle

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



40.1012, 73.4514, 25.9739



35.1771, 73.4514, 113.0219



111.4516, 73.4514, 180.8774



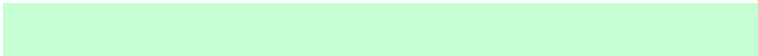
121.9254, 73.4514, 54.0950

Sweetspot

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



40.1016, 73.4516, 25.9751



70.3942, 88.0140, 75.0123



61.8138, 84.8659, 16.9941



14.3877, 18.5092, 15.0789



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.



40.1016, 73.4516, 25.9751



37.3725, 72.1935, 19.1238



48.5275, 76.8219, 70.3454



17.9597, 20.2434, 20.0909



19.2250, 37.5866, 9.0703



1.9136, 3.6764, 1.1029

Inverse Universe

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



53.7225, 28.5942, 60.4443



51.3167, 25.6329, 53.9384



45.3310, 25.2376, 16.2551



18.5852, 18.2174, 21.6986



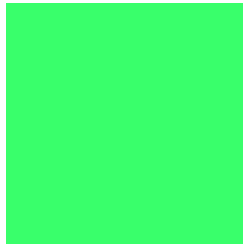
26.5031, 13.0905, 27.0975



2.6244, 1.2922, 2.8698

Previews

White Background



This preview shows how the XYZ color 40.1012, 73.4514, 25.9739 looks on a white background.

Color Contrast Check

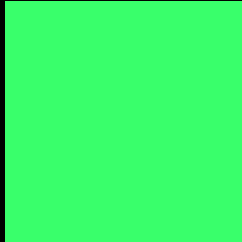
Large Text (above 18pt) WCAG AA × Fail

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 40.1012, 73.4514, 25.9739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

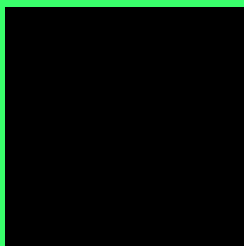
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

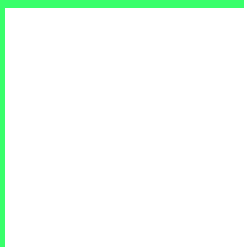
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1012, 73.4514, 25.9739

Background



This preview shows how black text looks on a background with the XYZ color 40.1012, 73.4514, 25.9739.

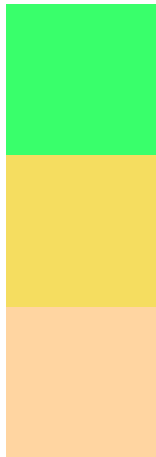


This preview shows how white text looks on a background with the XYZ color 40.1012, 73.4514,

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

40.1012, 73.4514, 25.9739

Protanopia

65.6240, 71.9699, 21.4992

Deuteranopia

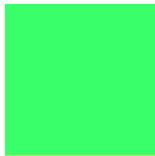
71.4673, 71.4217, 43.7373



Tritanopia

57.5401, 72.5342, 105.5756

Trichromacy



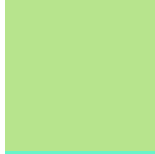
Original Color

40.1012, 73.4514, 25.9739



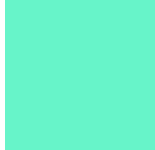
Protanomaly

49.5706, 68.5450, 22.6745



Deuteranomaly

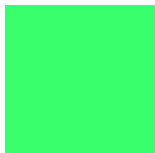
52.0796, 67.4772, 35.4788



Tritanomaly

48.4868, 71.8020, 66.5620

Monochromacy



Original Color

40.1012, 73.4514, 25.9739



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.0543, 52.0765, 38.1831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1012, 73.4514, 25.9739 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(57, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(57, 255, 107)  
}
```

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(57, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 255, 107) }
```

Border

The CSS property to change the border of an element to XYZ 40.1012, 73.4514, 25.9739 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(57, 255, 107) }
```


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

```
.border{ border-color:rgb(57, 255, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(57, 255,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1012, 73.4514, 25.9739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 255, 107) }
```

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

```
.background{ background-color: rgb(57, 255,  
107) }
```

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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