

Converting Colors

XYZ(40.9276, 73.6357, 36.9668)

Have a look what the booklet for
XYZ(40.9276, 73.6357, 36.9668)
contains.

XYZ(40.9196, 73.6331, 36.8669)	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(40.9196, 73.6331,
36.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	1AFF8C
RGB	26, 255, 140
RGB Percent	10%, 100%, 55%
CMY	0.8980, 0.0000, 0.4510
CMYK	0.90, 0.00, 0.45, 0.00
HSL	150°, 100%, 55%
HSV	150°, 90%, 100%
XYZ	40.9196, 73.6331, 36.8669
YIQ	173.4190, -99.5690, -84.3130

Conversions

Conversions Part 2

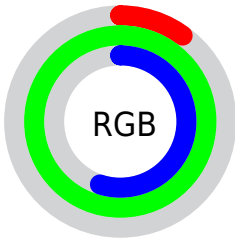
Format	Color
RYB	26, 179, 255
Decimal	1769356
CIELab	88.75, -73.96, 41.20
CIELCh	89, 84.662, 150.877
Yxy	73.6331, 0.2702, 0.4863
Android (android.graphics.Color)	4279959436 (0xFF1AFF8C)
YUV	173.4190, -16.4756, -129.2865
Hunter-Lab	85.8097, -65.0467, 34.5937

Details

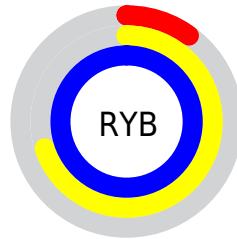
The XYZ color **40.9196, 73.6331, 36.8669** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **46.4176, 23.9223, 27.3718**, and the grayscale version is **40.0534, 42.1392, 45.8896**.

A 20% lighter version of the original color is **53.3561, 79.4532, 64.1536**, and **21.7277, 40.6371, 15.9311** is the 20% darker color. If you saturate the color by 10%, you get **39.6100, 73.0607, 32.1607**, and if you desaturate by 10%, it is **42.8849, 74.5306, 42.1799**.

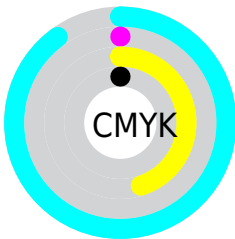
Distribution



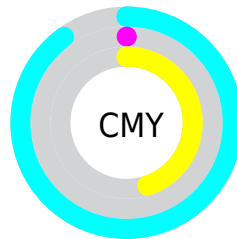
- Red (10%)
- Green (100%)
- Blue (55%)



- Red (10%)
- Yellow (70%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9196, 73.6331, 36.8669 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 40.9196, 73.6331, 36.8669 by changing the saturation by 10% instead.


 40.9196, 73.6331,
36.8669


 40.9196, 73.6331,
36.8669


341.0528,
473.2061, 347.8852


 28.4437, 54.4938,
24.8095


 75.8373, 124.3756,
71.5521

 18.8025, 38.9966,
15.7174


 99.0098, 156.7475,
95.0169


 11.6308, 26.7571,
9.1722


 126.4785,
194.2991, 123.1213

 6.5632, 17.3909,
4.7554

 158.6088,
237.4148, 156.2837

 3.2344, 10.5136,
2.0482

 195.7660,
286.4790, 194.9228

 1.2789, 5.7408,
0.5847

238.3155,

 0.1673, 2.6881,

341.8760, 239.4571

0.0000

286.6226,
403.9902, 290.3050

■ 0.0000, 0.9712,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9196, 73.6331,
36.8669

■ 40.9196, 73.6331,
36.8669

■ 39.6100, 73.0607,
32.1607


■ 42.8849, 74.5306,
42.1799


■ 39.5870, 73.0508,
32.0729


■ 45.6688, 75.8371,
48.1224


■ 49.3753, 77.6058,
54.7182

■ 54.0920, 79.8813,
61.9884

 59.8957, 82.7029,
69.9532

 66.8553, 86.1058,
78.6313

 75.0339, 90.1223,
88.0411

 84.4899, 94.7820,
98.2000

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.



51.6634, 73.6331, 17.1158



40.9196, 73.6331, 36.8669



37.5403, 73.6331, 81.9126

Triad

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



40.9196, 73.6331, 36.8669



70.5906, 73.6331, 254.0126



109.5056, 73.6331, 35.1141

Complementary

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



40.9196, 73.6331, 36.8669



46.4176, 23.9223, 27.3718

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.



117.1930, 73.6331, 78.4600



40.9196, 73.6331, 36.8669



92.1973, 73.6331, 221.1021

Square

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



40.9196, 73.6331, 36.8669



52.5209, 73.6331, 224.5144



110.3200, 73.6331, 148.5198



90.9484, 73.6331, 16.5065

Rectangle

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



40.9196, 73.6331, 36.8669



39.2695, 73.6331, 127.4414



110.3200, 73.6331, 148.5198



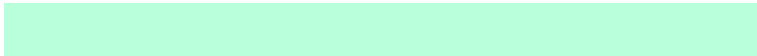
113.5922, 73.6331, 46.3316

Sweetspot

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



40.9200, 73.6332, 36.8681



69.0208, 87.1677, 81.1926



47.5041, 77.5528, 13.4432



14.2111, 18.3818, 16.7120



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.



40.9200, 73.6332, 36.8681



39.5870, 73.0508, 32.0729



53.6277, 78.7163, 103.7858



18.1487, 20.3190, 21.0858



20.7604, 38.2007, 17.1552



2.0765, 3.7415, 1.9605

Inverse Universe

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



46.4176, 23.9223, 27.3718



45.1400, 22.8200, 22.4673



41.8416, 22.0919, 3.2754



18.3899, 18.1393, 20.6703



23.6621, 11.9541, 12.1369



2.3590, 1.1860, 1.4721

Previews

White Background



This preview shows how the XYZ color 40.9196, 73.6331, 36.8669 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 40.9196, 73.6331, 36.8669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

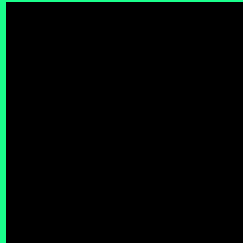
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9196, 73.6331, 36.8669

Background



This preview shows how black text looks on a background with the XYZ color 40.9196, 73.6331, 36.8669.



This preview shows how white text looks on a background with the XYZ color 40.9196, 73.6331,

Color Blindness Simulation

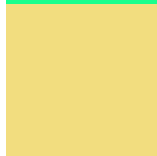
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



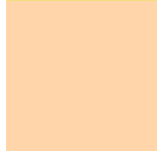
Original Color

40.9196, 73.6331, 36.8669



Protanopia

66.3052, 72.1225, 30.5050



Deuteranopia

72.1957, 71.7131, 47.5730



Tritanopia

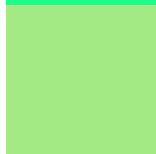
57.3769, 72.8811, 105.6511

Trichromacy



Original Color

40.9196, 73.6331, 36.8669



Protanomaly

48.4080, 67.7303, 32.3517



Deuteranomaly

50.9282, 66.7261, 42.5430



Tritanomaly

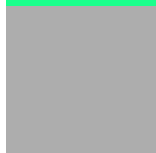
48.5774, 71.6791, 74.2260

Monochromacy



Original Color

40.9196, 73.6331, 36.8669



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.5347, 49.2782, 41.3570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9196, 73.6331, 36.8669 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(26, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 140)  
}
```

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(26, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 40.9196, 73.6331, 36.8669 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(26, 255, 140) }
```


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

```
.border{ border-color:rgb(26, 255, 140) }
```

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

Here you see how a box with a 4 pixel rgb(26, 255, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9196, 73.6331, 36.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 140) }
```

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

```
.background{ background-color: rgb(26, 255,  
140) }
```

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