

Converting Colors

XYZ(40.4400, 71.1201, 33.2873)

Have a look what the booklet for
XYZ(40.4400, 71.1201, 33.2873)
contains.

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Color

**XYZ(40.4648, 71.1271,
33.4260)**

Conversions

Conversions Part 1

Format	Color
Hex	40FA84
RGB	64, 250, 132
RGB Percent	25%, 98%, 52%
CMY	0.7490, 0.0196, 0.4823
CMYK	0.74, 0.00, 0.47, 0.02
HSL	142°, 95%, 62%
HSV	142°, 74%, 98%
XYZ	40.4648, 71.1271, 33.4260
YIQ	180.9340, -72.9780, -76.1300

Conversions

Conversions Part 2

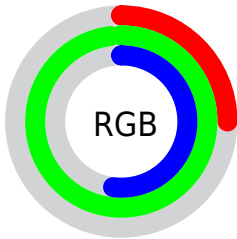
Format	Color
RYB	64, 200, 250
Decimal	4258436
CIELab	87.55, -70.18, 43.61
CIELCh	88, 82.628, 148.144
Yxy	71.1271, 0.2790, 0.4905
Android (android.graphics.Color)	4282448516 (0xFF40FA84)
YUV	180.9340, -24.1245, -102.5511
Hunter-Lab	84.3369, -61.9453, 35.5369

Details

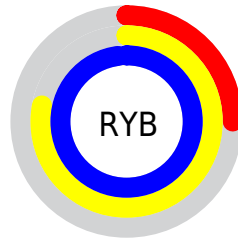
The XYZ color **40.4648, 71.1271, 33.4260** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **49.7034, 27.3695, 46.9214**, and the grayscale version is **44.0415, 46.3351, 50.4589**.

A 20% lighter version of the original color is **55.0462, 80.4262, 59.6363**, and **20.2976, 38.2785, 13.9081** is the 20% darker color. If you saturate the color by 10%, you get **38.1844, 70.0695, 28.0788**, and if you desaturate by 10%, it is **43.6416, 72.6317, 39.6797**.

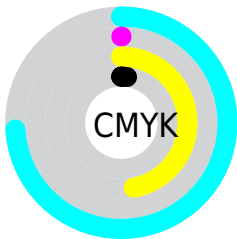
Distribution



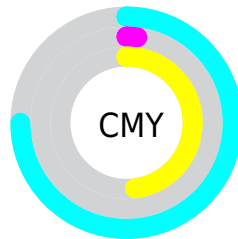
- Red (25%)
- Green (98%)
- Blue (52%)



- Red (25%)
- Yellow (78%)
- Blue (98%)



- Cyan (74%)
- Magenta (0%)
- Yellow (47%)
- Black (2%)





- Cyan (75%)
- Magenta (2%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4648, 71.1271, 33.4260 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 40.4648, 71.1271, 33.4260 by changing the saturation by 10% instead.


 40.4648, 71.1271,
33.4260


 40.4648, 71.1271,
33.4260


339.1797,
464.4976, 332.2557


 28.0870, 52.4459,
22.1792


 75.1506, 120.8147,
66.1637


 18.5320, 37.3606,
13.7891


 98.1893, 152.5899,
88.4917

 11.4346, 25.4868,
7.8370


 125.5123,
189.4985, 115.3505

 6.4294, 16.4401,
3.9046

 157.4850,
231.9251, 147.1587

 3.1510, 9.8361,
1.5731

194.4727,
280.2538, 184.3347

 1.2341, 5.2904,
0.2715

236.8409,

 0.1331, 2.4187,

334.8693, 227.2972

0.0000

284.9547,
396.1557, 276.4647

■ 0.0000, 0.8355,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4648, 71.1271,
33.4260

■ 40.4648, 71.1271,
33.4260

■ 38.1844, 70.0695,
28.0788

■ 43.6416, 72.6317,
39.6797


■ 36.6820, 69.3928,
23.5891


■ 47.8029, 74.6219,
46.8756


■ 36.0925, 69.1361,
21.4303


■ 53.0311, 77.1416,
55.0534

■ 59.3986, 80.2272,
64.2489

 66.9708, 83.9119,
74.4962

 75.8083, 88.2261,
85.8274

 85.9674, 93.1984,
98.2735

 93.4769, 96.8539,
108.3756

Harmonies

Analogous

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



51.3955, 71.1271, 16.0593



40.4648, 71.1271, 33.4260



36.5926, 71.1271, 74.0139

Triad

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



40.4648, 71.1271, 33.4260



66.3951, 71.1271, 242.3022



106.4104, 71.1271, 36.9916

Complementary

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



40.4648, 71.1271, 33.4260



49.7034, 27.3695, 46.9214

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.



112.5033, 71.1271, 80.9812



40.4648, 71.1271, 33.4260



86.9059, 71.1271, 216.2226

Square

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



40.4648, 71.1271, 33.4260



49.6605, 71.1271, 209.3890



104.7730, 71.1271, 149.1920



89.4205, 71.1271, 17.3109

Rectangle

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



40.4648, 71.1271, 33.4260



37.8332, 71.1271, 115.9884



104.7730, 71.1271, 149.1920



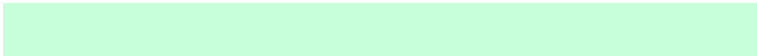
109.9292, 71.1271, 48.5543

Sweetspot

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



40.4666, 71.1300, 33.4276



72.1268, 88.7845, 80.6365



55.0968, 79.0464, 17.2045



14.9322, 18.7569, 16.5974



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.



40.4666, 71.1300, 33.4276



39.1106, 72.9157, 27.0577



49.5003, 74.7435, 80.9984



17.2797, 19.4141, 19.6733



19.2069, 36.6958, 11.6988



1.8279, 3.4183, 1.3416

Inverse Universe

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



49.7034, 27.3695, 46.9214



49.1057, 25.0726, 41.2959



43.1870, 24.7630, 12.6066



17.7081, 17.4106, 20.3183



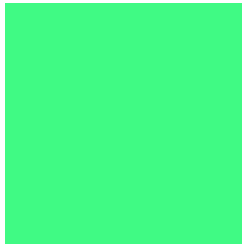
24.2847, 12.1296, 18.7395



2.3001, 1.1438, 2.0039

Previews

White Background



This preview shows how the XYZ color 40.4648, 71.1271, 33.4260 looks on a white background.

Color Contrast Check

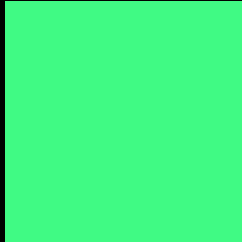
Large Text (above 18pt) WCAG AA × Fail

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 40.4648, 71.1271, 33.4260 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 40.4648, 71.1271, 33.4260

Background



This preview shows how black text looks on a background with the XYZ color 40.4648, 71.1271, 33.4260.

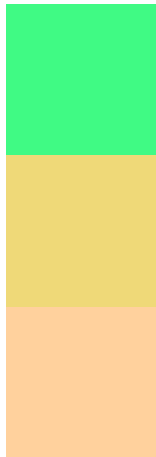


This preview shows how white text looks on a background with the XYZ color 40.4648, 71.1271,

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

40.4648, 71.1271, 33.4260

Protanopia

63.7996, 69.3325, 27.7892

Deuteranopia

70.1263, 69.2952, 41.5776



Tritanopia

54.7275, 70.6556, 105.3612

Trichromacy



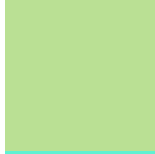
Original Color

40.4648, 71.1271, 33.4260



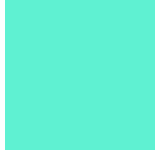
Protanomaly

49.3366, 66.6078, 29.3251



Deuteranomaly

52.2507, 65.8885, 37.9808



Tritanomaly

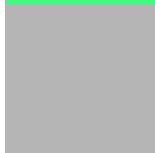
47.8075, 69.9966, 71.9638

Monochromacy



Original Color

40.4648, 71.1271, 33.4260



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.1634, 52.1902, 42.6599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4648, 71.1271, 33.4260 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(64, 250, 132)` looks like.

```
.text, #text, p{  
    color:rgb(64, 250, 132)  
}
```

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(64, 250, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 250, 132) }
```

Border

The CSS property to change the border of an element to XYZ 40.4648, 71.1271, 33.4260 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(64, 250, 132) }
```


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

```
.border{ border-color:rgb(64, 250, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 250, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 250, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 250, 132);  
box-shadow:4px 4px 4px 4px rgb(64, 250,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4648, 71.1271, 33.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 250, 132) }
```

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

```
.background{ background-color: rgb(64, 250,  
132) }
```

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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