

Converting Colors

XYZ(40.9548, 73.4302, 25.5293)

Have a look what the booklet for
XYZ(40.9548, 73.4302, 25.5293)
contains.

XYZ(40.9450, 73.4201, 25.6491)	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(40.9450, 73.4201,
25.6491)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFE6A
RGB	75, 254, 106
RGB Percent	29%, 100%, 42%
CMY	0.7059, 0.0039, 0.5843
CMYK	0.70, 0.00, 0.58, 0.00
HSL	130°, 99%, 65%
HSV	130°, 70%, 100%
XYZ	40.9450, 73.4201, 25.6491
YIQ	183.6070, -59.1760, -83.9760

Conversions

Conversions Part 2

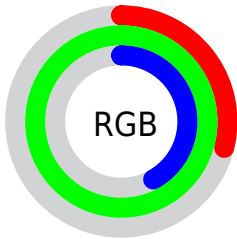
Format	Color
RYB	75, 228, 254
Decimal	4980330
CIELab	88.65, -73.45, 56.91
CIELCh	89, 92.913, 142.230
Yxy	73.4201, 0.2924, 0.5244
Android (android.graphics.Color)	4283170410 (0xFF4BFE6A)
YUV	183.6070, -38.2603, -95.2483
Hunter-Lab	85.6855, -64.6531, 42.2320

Details

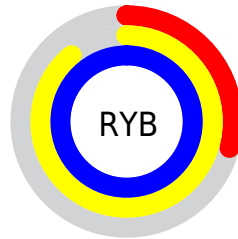
The XYZ color **40.9450, 73.4201, 25.6491** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **56.7105, 31.4319, 72.8916**, and the grayscale version is **45.5725, 47.9458, 52.2129**.

A 20% lighter version of the original color is **53.8701, 80.1130, 46.3423**, and **20.3375, 39.7189, 9.7266** is the 20% darker color. If you saturate the color by 10%, you get **38.3789, 72.2105, 20.5102**, and if you desaturate by 10%, it is **44.5745, 75.1513, 32.2368**.

Distribution



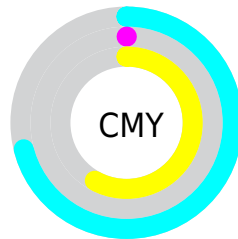
- Red (29%)
- Green (100%)
- Blue (42%)



- Red (29%)
- Yellow (89%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9450, 73.4201, 25.6491 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 40.9450, 73.4201, 25.6491 by changing the saturation by 10% instead.


 40.9450, 73.4201,
25.6491


 40.9450, 73.4201,
25.6491


341.1572,
472.4695, 294.6057


 28.4636, 54.3195,
16.3379


 75.8756, 124.0734,
53.6854


 18.8176, 38.8572,
9.6066


 99.0556, 156.3950,
73.2476

 11.6418, 26.6486,
5.0368


 126.5324,
193.8923, 97.0640

 6.5707, 17.3095,
2.2097

 158.6714,
236.9498, 125.5529

 3.2390, 10.4554,
0.6800

195.8381,
285.9519, 159.1330

 1.2814, 5.7019,
0.0000

238.3977,

 0.1692, 2.6647,

341.2829, 198.2228

0.0000

286.7156,
403.3273, 243.2409

■ 0.0000, 0.9593,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9450, 73.4201,
25.6491

■ 40.9450, 73.4201,
25.6491

■ 38.3789, 72.2105,
20.5102

■ 44.5745, 75.1513,
32.2368


■ 36.7502, 71.4534,
16.7057

■ 49.3642, 77.4455,
40.3664


■ 35.8977, 71.0683,
14.2077


■ 55.4057, 80.3501,
50.1289

■ 62.7798, 83.9052,
61.6069

 71.5606, 88.1473,
74.8773

 81.8167, 93.1101,
90.0123

 93.6120, 98.8252,
107.0804

 94.7333, 99.3665,
108.7944

Harmonies

Analogous

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



54.7073, 73.4201, 11.4570



40.9450, 73.4201, 25.6491



35.1836, 73.4201, 64.3811

Triad

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



40.9450, 73.4201, 25.6491



64.1146, 73.4201, 275.3632



117.7961, 73.4201, 41.7298

Complementary

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



40.9450, 73.4201, 25.6491



56.7105, 31.4319, 72.8916

Split Complementary

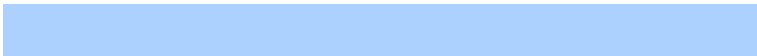
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.8241, 73.4201, 97.8276



40.9450, 73.4201, 25.6491



87.4027, 73.4201, 257.4167

Square

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



40.9450, 73.4201, 25.6491



46.5634, 73.4201, 222.6984



109.7229, 73.4201, 181.9515



99.6683, 73.4201, 16.6647

Rectangle

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



40.9450, 73.4201, 25.6491



35.5541, 73.4201, 109.0624



109.7229, 73.4201, 181.9515



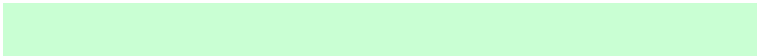
120.9810, 73.4201, 56.5297

Sweetspot

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



40.9468, 73.4231, 25.6508



71.6919, 88.6893, 74.7873



67.5067, 87.2691, 19.9436



14.7947, 18.7172, 15.1824



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.



40.9468, 73.4231, 25.6508



37.8658, 72.4557, 18.7889



48.1205, 76.2926, 63.4273



17.8999, 20.2195, 19.7761



18.9616, 37.4812, 7.6832



1.8800, 3.6629, 0.9258

Inverse Universe

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



56.7105, 31.4319, 72.8916



54.5255, 27.6960, 68.4319



47.7408, 27.8441, 25.6580



18.6497, 18.2432, 22.0382



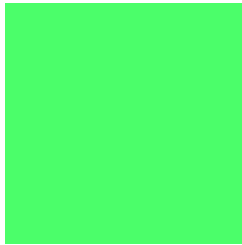
27.7312, 13.5818, 33.5648



2.7341, 1.3360, 3.4469

Previews

White Background



This preview shows how the XYZ color 40.9450, 73.4201, 25.6491 looks on a white background.

Color Contrast Check

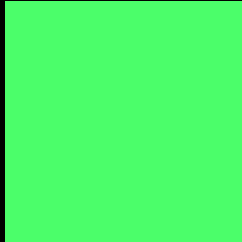
Large Text (above 18pt) WCAG AA × Fail

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 40.9450, 73.4201, 25.6491 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 40.9450, 73.4201, 25.6491

Background



This preview shows how black text looks on a background with the XYZ color 40.9450, 73.4201, 25.6491.



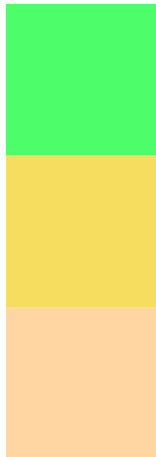
This preview shows how white text looks on a background with the XYZ color 40.9450, 73.4201,

25.6491.

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

40.9450, 73.4201, 25.6491

Protanopia

65.6240, 71.9699, 21.4992

Deuteranopia

71.7196, 71.9263, 43.8214



Tritanopia

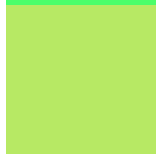
58.0071, 72.7749, 105.5974

Trichromacy



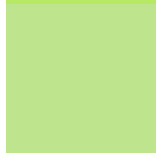
Original Color

40.9450, 73.4201, 25.6491



Protanomaly

50.9676, 69.2652, 22.7398



Deuteranomaly

54.0622, 68.9089, 35.6507



Tritanomaly

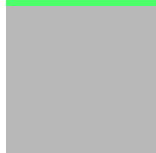
49.2753, 71.7630, 66.5129

Monochromacy



Original Color

40.9450, 73.4201, 25.6491



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.3028, 53.9305, 39.7379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9450, 73.4201, 25.6491 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(75, 254, 106)` looks like.

```
.text, #text, p{  
    color:rgb(75, 254, 106)  
}
```

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(75, 254, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 254, 106) }
```

Border

The CSS property to change the border of an element to XYZ 40.9450, 73.4201, 25.6491 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(75, 254, 106) }
```


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

```
.border{ border-color:rgb(75, 254, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 254, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 254, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 254, 106);  
box-shadow:4px 4px 4px 4px rgb(75, 254,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9450, 73.4201, 25.6491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 254, 106) }
```

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

```
.background{ background-color: rgb(75, 254,  
106) }
```

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