

Converting Colors

XYZ(40.0408, 73.6864, 13.9468)

Have a look what the booklet for
XYZ(40.0408, 73.6864, 13.9468)
contains.

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Color

**XYZ(40.0403, 73.6862,
13.9462)**

Conversions

Conversions Part 1

Format	Color
Hex	57FF26
RGB	87, 255, 38
RGB Percent	34%, 100%, 15%
CMY	0.6588, 0.0000, 0.8509
CMYK	0.66, 0.00, 0.85, 0.00
HSL	106°, 100%, 57%
HSV	106°, 85%, 100%
XYZ	40.0403, 73.6862, 13.9462
YIQ	180.0300, -30.4710, -103.1030

Conversions

Conversions Part 2

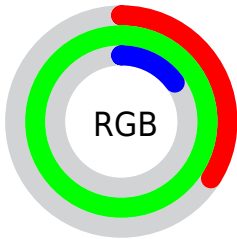
Format	Color
R_{YB}	38, 255, 206
Decimal	5766950
CIE _{Lab}	88.77, -76.79, 79.83
CIE _{LCh}	89, 110.768, 133.889
Yxy	73.6862, 0.3136, 0.5771
Android (android.graphics.Color)	4283957030 (0xFF57FF26)
YUV	180.0300, -70.0208, -81.5873
Hunter-Lab	85.8407, -66.9600, 50.4559

Details

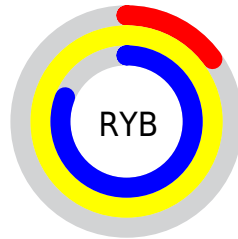
The XYZ color **40.0403, 73.6862, 13.9462** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **44.2009, 21.7308, 96.4726**, and the grayscale version is **43.7753, 46.0550, 50.1539**.

A 20% lighter version of the original color is **52.0718, 79.6285, 26.2610**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.1619, 72.7502, 12.3954**, and if you desaturate by 10%, it is **42.7041, 74.9945, 17.0028**.

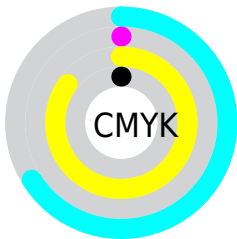
Distribution



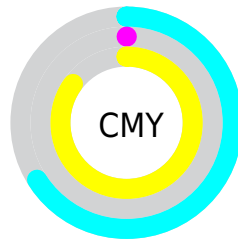
- Red (34%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (81%)



- Cyan (66%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0403, 73.6862, 13.9462 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 40.0403, 73.6862, 13.9462 by changing the saturation by 10% instead.


 40.0403, 73.6862,
13.9462


 40.0403, 73.6862,
13.9462


337.4249,
473.3896, 228.3127


 27.7543, 54.5372,
7.9449


 74.5088, 124.4509,
33.7093

 18.2801, 39.0313,
3.9725


 97.4221, 156.8354,
48.3082


 11.2521, 26.7841,
1.6102


 124.6085,
194.4005, 66.6101

 6.3052, 17.4112,
0.2981

 156.4334,
237.5307, 89.0334

 3.0740, 10.5281,
0.0000

 193.2621,
286.6103, 115.9968

 1.1930, 5.7505,
0.0000

235.4600,

 0.1008, 2.6939,

342.0237, 147.9188

0.0000

283.3925,
404.1554, 185.2179

■ 0.0000, 0.9741,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0403, 73.6862,
13.9462

■ 40.0403, 73.6862,
13.9462

■ 38.1619, 72.7502,
12.3954

■ 42.7041, 74.9945,
17.0028

■ 37.4799, 72.4066,
12.0005

■ 46.2397, 76.7141,
21.8243

■ 50.7213, 78.8786,
28.6249

■ 56.2146, 81.5178,
37.5876

■ 62.7789, 84.6588,
48.8746

■ 70.4689, 88.3266,
62.6323

■ 79.3354, 92.5444,
78.9954

■ 89.4259, 97.3341,
98.0887

■ 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.



58.3801, 73.6862, 5.3197



40.0403, 73.6862, 13.9462



31.2765, 73.6862, 45.8494

Triad

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



40.0403, 73.6862, 13.9462



56.6871, 73.6862, 321.9593



132.9211, 73.6862, 49.7626

Complementary

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



40.0403, 73.6862, 13.9462



44.2009, 21.7308, 96.4726

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.



132.1299, 73.6862, 128.5521



40.0403, 73.6862, 13.9462



83.1495, 73.6862, 325.7144

Square

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



40.0403, 73.6862, 13.9462



39.0748, 73.6862, 232.2097



112.1827, 73.6862, 240.5259



114.1283, 73.6862, 15.2450

Rectangle

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



40.0403, 73.6862, 13.9462



30.1765, 73.6862, 90.6641



112.1827, 73.6862, 240.5259



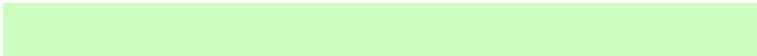
135.0603, 73.6862, 70.6321

Sweetspot

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



40.0405, 73.6862, 13.9473



69.7236, 87.9716, 61.2789



63.2709, 64.7617, 11.0003



14.3334, 18.5482, 12.0518



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.



40.0405, 73.6862, 13.9473



37.4799, 72.4066, 12.0005



38.6654, 72.7746, 23.0455



18.1551, 20.3659, 19.1185



19.6890, 37.8881, 6.2754



2.0066, 3.7352, 0.6152

Inverse Universe

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



44.2009, 21.7308, 96.4726



41.1892, 19.1487, 96.1329



52.0273, 26.6845, 55.3140



18.3680, 18.0814, 22.7719



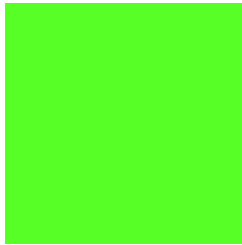
21.6576, 10.0754, 50.2378



2.2023, 1.0292, 4.8959

Previews

White Background



This preview shows how the XYZ color 40.0403, 73.6862, 13.9462 looks on a white background.

Color Contrast Check

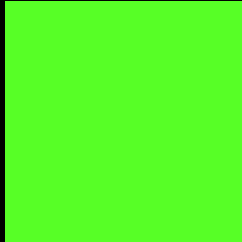
Large Text (above 18pt) WCAG AA × Fail

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 40.0403, 73.6862, 13.9462 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 40.0403, 73.6862, 13.9462

Background



This preview shows how black text looks on a background with the XYZ color 40.0403, 73.6862, 13.9462.



This preview shows how white text looks on a background with the XYZ color 40.0403, 73.6862, 13.9462.

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

40.0403, 73.6862, 13.9462

Protanopia

65.1330, 71.9365, 11.5509

Deuteranopia

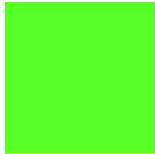
71.2030, 71.7197, 41.1008



Tritanopia

58.9816, 73.2773, 105.6430

Trichromacy



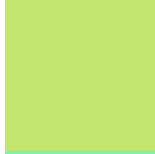
Original Color

40.0403, 73.6862, 13.9462



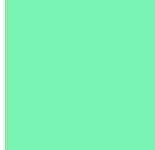
Protanomaly

50.6348, 69.3293, 12.0796



Deuteranomaly

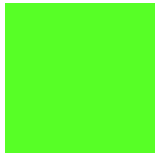
53.1921, 68.6778, 25.7819



Tritanomaly

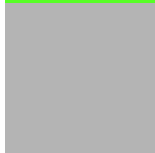
47.9329, 71.8290, 52.4124

Monochromacy



Original Color

40.0403, 73.6862, 13.9462



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.0632, 52.2952, 28.5099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0403, 73.6862, 13.9462 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(87, 255, 38)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 38)  
}
```

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(87, 255, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 38) }
```

Border

The CSS property to change the border of an element to XYZ 40.0403, 73.6862, 13.9462 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(87, 255, 38) }
```


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

```
.border{ border-color:rgb(87, 255, 38) }
```

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

Here you see how a box with a 4 pixel rgb(87, 255, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 38);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0403, 73.6862, 13.9462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 38) }
```

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

```
.background{ background-color: rgb(87, 255,  
38) }
```

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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