

Converting Colors

XYZ(40.0174, 55.3813, 11.6890)

Have a look what the booklet for
XYZ(40.0174, 55.3813, 11.6890)
contains.

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Color

**XYZ(40.0774, 55.5415,
11.7402)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D433
RGB	167, 212, 51
RGB Percent	65%, 83%, 20%
CMY	0.3451, 0.1686, 0.8000
CMYK	0.21, 0.00, 0.76, 0.17
HSL	77°, 65%, 52%
HSV	77°, 76%, 83%
XYZ	40.0774, 55.5415, 11.7402
YIQ	180.1910, 24.8610, -59.6110

Conversions

Conversions Part 2

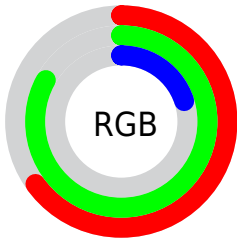
Format	Color
RYB	51, 212, 96
Decimal	10998835
CIELab	79.35, -36.06, 69.21
CIELCh	79, 78.041, 117.524
Yxy	55.5415, 0.3733, 0.5173
Android (android.graphics.Color)	4289188915 (0xFFA7D433)
YUV	180.1910, -63.6912, -11.5685
Hunter-Lab	74.5262, -34.4301, 42.8283

Details

The XYZ color **40.0774, 55.5415, 11.7402** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.8935, 9.6093, 63.2024**, and the grayscale version is **43.8089, 46.0904, 50.1924**.

A 20% lighter version of the original color is **69.9385, 88.8145, 28.2086**, and **18.4874, 27.4289, 4.3199** is the 20% darker color. If you saturate the color by 10%, you get **38.4893, 54.7669, 9.7578**, and if you desaturate by 10%, it is **41.9384, 56.4358, 14.8491**.

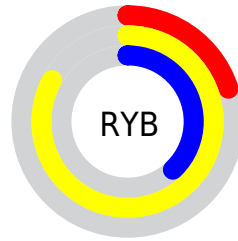
Distribution



Red (65%)

Green (83%)

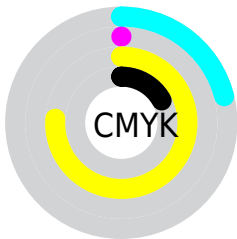
Blue (20%)



Red (20%)

Yellow (83%)

Blue (38%)

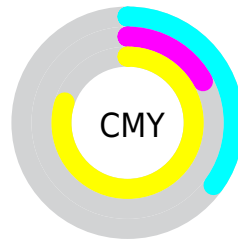


Cyan (21%)

Magenta (0%)

Yellow (76%)

Black (17%)



Cyan (35%)

Magenta (17%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0774, 55.5415, 11.7402 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 40.0774, 55.5415, 11.7402 by changing the saturation by 10% instead.

■ 40.0774, 55.5415,
11.7402

■ 40.0774, 55.5415,
11.7402

337.5785,
407.9613, 213.5942

■ 27.7834, 39.8354,
6.4466

■ 74.5650, 98.3339,
29.6783

■ 18.3020, 27.4103,
3.0454

■ 97.4892, 126.1890,
43.1600

■ 11.2681, 17.8816,
1.1179

■ 124.6875,
158.8626, 60.2081

■ 6.3161, 10.8650,
0.0000

■ 156.5254,
196.7390, 81.2412

■ 3.0807, 5.9761,
0.0000

■ 193.3680,
240.2027, 106.6778

■ 1.1966, 2.8306,
0.0000

235.5809,

■ 0.1037, 1.0439,

289.6381, 136.9365

0.0000

283.5292,
345.4295, 172.4357

■ 0.0000, 0.0000,
0.0000

■ 40.0774, 55.5415,
11.7402

■ 40.0774, 55.5415,
11.7402

■ 38.4893, 54.7669,
9.7578

■ 41.9384, 56.4358,
14.8491

■ 37.1377, 54.0914,
8.7304

■ 44.0949, 57.4531,
19.2163

■ 36.6328, 53.8366,
8.4608

■ 46.5709, 58.6050,
24.9589

■ 49.3868, 59.8998,
32.1800

■ 52.5608, 61.3447,
40.9726

■ 56.1100, 62.9467,
51.4223

■ 60.0499, 64.7122,
63.6083

■ 64.3955, 66.6471,
77.6048

■ 69.1606, 68.7572,
93.4817

Harmonies

Analogous

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



54.1002, 55.5415, 8.7881



40.0774, 55.5415, 11.7402



31.2683, 55.5415, 25.0175

Triad

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



40.0774, 55.5415, 11.7402



38.2341, 55.5415, 166.1104



88.8939, 55.5415, 64.2721

Complementary

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



40.0774, 55.5415, 11.7402



17.8935, 9.6093, 63.2024

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.



82.4404, 55.5415, 119.5065



40.0774, 55.5415, 11.7402



51.5022, 55.5415, 193.7754

Square

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



40.0774, 55.5415, 11.7402



30.3610, 55.5415, 109.6443



67.9425, 55.5415, 173.5140



84.2012, 55.5415, 28.7681

Rectangle

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



40.0774, 55.5415, 11.7402



28.5360, 55.5415, 43.7132



67.9425, 55.5415, 173.5140



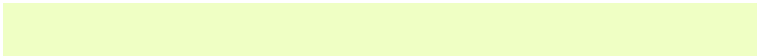
87.9321, 55.5415, 81.0531

Sweetspot

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



40.0787, 55.5440, 11.7414



81.2271, 93.8035, 66.2584



31.7478, 22.2315, 5.7505



16.9834, 19.8955, 13.0245



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.



40.0787, 55.5440, 11.7414



57.1826, 82.5460, 13.7271



28.2213, 49.4313, 11.1865



13.1187, 14.3374, 13.2367



22.7160, 33.2868, 5.2277



1.4487, 2.0482, 0.3190

Inverse Universe

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



17.8935, 9.6093, 63.2024



22.3626, 9.8966, 95.3393



30.6218, 16.1710, 63.7980



12.0653, 12.1751, 15.6516



8.5440, 3.5571, 38.6894



0.5958, 0.2560, 2.3373

Previews

White Background



This preview shows how the XYZ color 40.0774, 55.5415, 11.7402 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 40.0774, 55.5415, 11.7402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

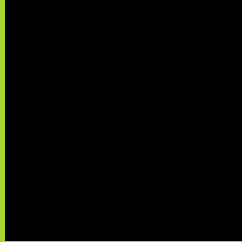
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0774, 55.5415, 11.7402

Background



This preview shows how black text looks on a background with the XYZ color 40.0774, 55.5415, 11.7402.



This preview shows how white text looks on a background with the XYZ color 40.0774, 55.5415,

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

40.0774, 55.5415, 11.7402

Protanopia

49.7682, 54.9007, 10.6632

Deuteranopia

56.0846, 54.8781, 12.1940



Tritanopia

51.9715, 55.3826, 70.9015

Trichromacy



Original Color

40.0774, 55.5415, 11.7402

Protanomaly

45.7414, 54.8720, 10.9768

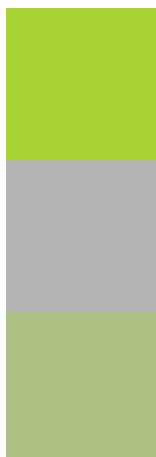
Deuteranomaly

48.8941, 54.0874, 11.8659

Tritanomaly

45.5488, 54.5099, 38.6926

Monochromacy



Original Color

40.0774, 55.5415, 11.7402

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

40.7625, 48.5067, 29.4046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0774, 55.5415, 11.7402 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(167, 212, 51)` looks like.

```
.text, #text, p{  
    color:rgb(167, 212, 51)  
}
```

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(167, 212, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 212, 51) }
```

Border

The CSS property to change the border of an element to XYZ 40.0774, 55.5415, 11.7402 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(167, 212, 51) }
```


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

```
.border{ border-color:rgb(167, 212, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 212, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 212, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 212, 51);  
box-shadow:4px 4px 4px 4px rgb(167, 212,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0774, 55.5415, 11.7402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 212, 51) }
```

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

```
.background{ background-color: rgb(167,  
212, 51) }
```

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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