

Converting Colors

XYZ(40.2702, 53.8967, 14.3278)

Have a look what the booklet for
XYZ(40.2702, 53.8967, 14.3278)
contains.

XYZ(40.2771, 53.7515, 14.3831)	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(40.2771, 53.7515,
14.3831)**

Conversions

Conversions Part 1

Format	Color
Hex	ABCF48
RGB	171, 207, 72
RGB Percent	67%, 81%, 28%
CMY	0.3294, 0.1882, 0.7176
CMYK	0.17, 0.00, 0.65, 0.19
HSL	76°, 58%, 55%
HSV	76°, 65%, 81%
XYZ	40.2771, 53.7515, 14.3831
YIQ	180.8460, 21.8790, -49.6170

Conversions

Conversions Part 2

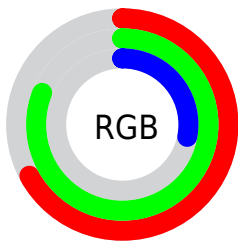
Format	Color
RYB	72, 207, 108
Decimal	11259720
CIELab	78.32, -30.98, 60.76
CIELCh	78, 68.199, 117.017
Yxy	53.7515, 0.3715, 0.4958
Android (android.graphics.Color)	4289449800 (0xFFABCF48)
YUV	180.8460, -53.6611, -8.6349
Hunter-Lab	73.3154, -30.2399, 39.6892

Details

The XYZ color **40.2771, 53.7515, 14.3831** 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 **19.7663, 12.3293, 60.3727**, and the grayscale version is **44.1116, 46.4088, 50.5392**.

A 20% lighter version of the original color is **71.9039, 89.7103, 33.6048**, and **18.4724, 26.4317, 4.1857** is the 20% darker color. If you saturate the color by 10%, you get **38.5351, 52.9206, 11.3509**, and if you desaturate by 10%, it is **42.2992, 54.7041, 18.6170**.

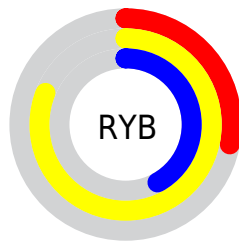
Distribution



Red (67%)

Green (81%)

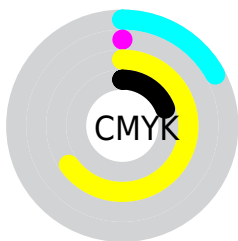
Blue (28%)



Red (28%)

Yellow (81%)

Blue (42%)

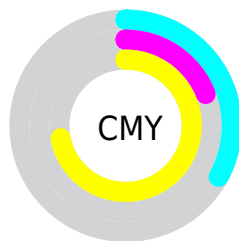


Cyan (17%)

Magenta (0%)

Yellow (65%)

Black (19%)



Cyan (33%)

Magenta (19%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2771, 53.7515, 14.3831 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 40.2771, 53.7515, 14.3831 by changing the saturation by 10% instead.

40.2771, 53.7515,
14.3831

40.2771, 53.7515,
14.3831

338.4045,
401.1617, 231.1120

27.9398, 38.4030,
8.2458

74.8669, 95.7093,
34.4941

18.4205, 26.2956,
4.1626

97.8502, 123.0874,
49.3049

11.3538, 17.0449,
1.7150

125.1129,
155.2441, 67.8440

6.3744, 10.2665,
0.3710

157.0203,
192.5640, 90.5298

3.1169, 5.5760,
0.0000

193.9379,
235.4312, 117.7810

1.2159, 2.5890,
0.0000

236.2308,

0.1188, 0.9212,

284.2303, 150.0161

0.0000

284.2646,
339.3457, 187.6535

■ 0.0000, 0.0000,
0.0000

■ 40.2771, 53.7515,
14.3831

■ 40.2771, 53.7515,
14.3831

■ 38.5351, 52.9206,
11.3509

■ 42.2992, 54.7041,
18.6170

■ 37.0449, 52.1942,
9.3911

■ 44.6187, 55.7796,
24.1575

■ 35.7780, 51.5628,
8.3513

■ 47.2559, 56.9882,
31.1021

■ 35.2247, 51.2838,
8.0422

■ 50.2277, 58.3366,
39.5378

■ 53.5501, 59.8312,
49.5450

■ 57.2376, 61.4781,
61.1980

■ 61.3041, 63.2828,
74.5664

■ 65.7626, 65.2505,
89.7160

■ 70.0879, 67.1713,
103.8791

Harmonies

Analogous

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



52.4391, 53.7515, 11.4888



40.2771, 53.7515, 14.3831



32.4141, 53.7515, 26.8949

Triad

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



40.2771, 53.7515, 14.3831



38.3313, 53.7515, 144.5726



81.3078, 53.7515, 62.4430

Complementary

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



40.2771, 53.7515, 14.3831



19.7663, 12.3293, 60.3727

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.



75.8342, 53.7515, 108.4626



40.2771, 53.7515, 14.3831



49.7626, 53.7515, 167.1613

Square

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



40.2771, 53.7515, 14.3831



31.4361, 53.7515, 98.7525



63.6813, 53.7515, 151.6896



77.5889, 53.7515, 31.0447

Rectangle

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



40.2771, 53.7515, 14.3831



29.9073, 53.7515, 43.4924



63.6813, 53.7515, 151.6896



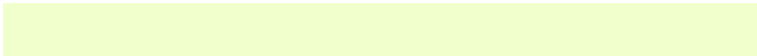
80.4623, 53.7515, 76.6778

Sweetspot

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



40.2784, 53.7539, 14.3842



83.0707, 94.6505, 71.0178



32.2664, 24.4601, 9.1522



17.4615, 20.1154, 14.2472



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.



40.2784, 53.7539, 14.3842



60.8204, 84.3564, 16.8311



29.1354, 48.0095, 13.8628



12.4830, 13.6324, 12.5854



22.2857, 32.3577, 5.0711



1.3191, 1.8469, 0.2870

Inverse Universe

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



19.7663, 12.3293, 60.3727



25.7939, 13.3186, 95.8190



31.3735, 18.3130, 60.9159



11.4552, 11.5680, 14.8727



8.1731, 3.3937, 37.4168



0.5332, 0.2290, 2.0957

Previews

White Background



This preview shows how the XYZ color 40.2771, 53.7515, 14.3831 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 40.2771, 53.7515, 14.3831 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 40.2771, 53.7515, 14.3831

Background



This preview shows how black text looks on a background with the XYZ color 40.2771, 53.7515, 14.3831.



This preview shows how white text looks on a background with the XYZ color 40.2771, 53.7515,

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

40.2771, 53.7515, 14.3831

Protanopia

48.6541, 53.5999, 13.2503

Deuteranopia

54.5236, 53.3854, 15.0201



Tritanopia

51.0501, 53.6261, 67.9818

Trichromacy



Original Color

40.2771, 53.7515, 14.3831

Protanomaly

45.3170, 53.5559, 13.5791

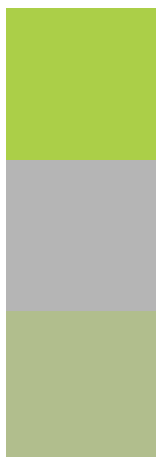
Deuteranomaly

48.2135, 52.6822, 14.6487

Tritanomaly

45.7375, 53.1738, 40.6538

Monochromacy



Original Color

40.2771, 53.7515, 14.3831

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

41.3526, 48.0971, 32.3035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2771, 53.7515, 14.3831 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(171, 207, 72)` looks like.

```
.text, #text, p{  
    color:rgb(171, 207, 72)  
}
```

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(171, 207, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 207, 72) }
```

Border

The CSS property to change the border of an element to XYZ 40.2771, 53.7515, 14.3831 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(171, 207, 72) }
```


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

```
.border{ border-color:rgb(171, 207, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 207, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 207, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 207, 72);  
box-shadow:4px 4px 4px 4px rgb(171, 207,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2771, 53.7515, 14.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 207, 72) }
```

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

```
.background{ background-color: rgb(171,  
207, 72) }
```

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