

Converting Colors

XYZ(34.5495, 42.1875, 7.8721)

Have a look what the booklet for
XYZ(34.5495, 42.1875, 7.8721)
contains.

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Color

**XYZ(34.7171, 42.3933,
7.8663)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B522
RGB	176, 181, 34
RGB Percent	69%, 71%, 13%
CMY	0.3098, 0.2902, 0.8666
CMYK	0.03, 0.00, 0.81, 0.29
HSL	62°, 68%, 42%
HSV	62°, 81%, 71%
XYZ	34.7171, 42.3933, 7.8663
YIQ	162.7470, 44.2070, -46.7770

Conversions

Conversions Part 2

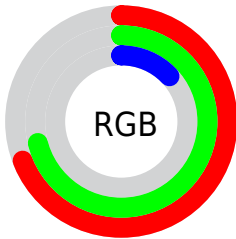
Format	Color
RYB	34, 181, 39
Decimal	11580706
CIELab	71.14, -18.19, 66.95
CIELCh	71, 69.374, 105.205
Yxy	42.3933, 0.4085, 0.4989
Android (android.graphics.Color)	4289770786 (0xFFB0B522)
YUV	162.7470, -63.4723, 11.6229
Hunter-Lab	65.1101, -18.7655, 38.4140

Details

The XYZ color **34.7171, 42.3933, 7.8663** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.7504, 4.9124, 44.1529**, and the grayscale version is **34.9699, 36.7910, 40.0654**.

A 20% lighter version of the original color is **66.5655, 79.0387, 22.3373**, and **15.3269, 19.3603, 2.9291** is the 20% darker color. If you saturate the color by 10%, you get **34.3830, 42.2452, 6.8285**, and if you desaturate by 10%, it is **35.1912, 42.6006, 9.6295**.

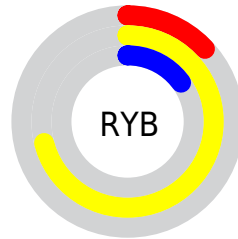
Distribution



Red (69%)

Green (71%)

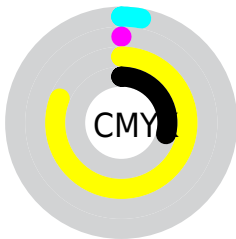
Blue (13%)



Red (13%)

Yellow (71%)

Blue (15%)

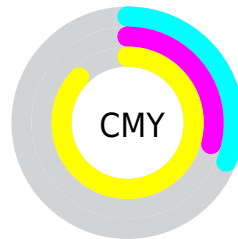


Cyan (3%)

Magenta (0%)

Yellow (81%)

Black (29%)



Cyan (31%)

Magenta (29%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7171, 42.3933, 7.8663 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 34.7171, 42.3933, 7.8663 by changing the saturation by 10% instead.

■ 34.7171, 42.3933,
7.8663

■ 34.7171, 42.3933,
7.8663

314.8478,
356.1107, 184.5748

■ 23.6105, 29.4094,
3.9230

■ 66.3842, 78.7945,
22.2377

■ 15.1681, 19.3907,
1.5832

■ 87.6754, 102.9806,
33.5029

■ 9.0246, 11.9529,
0.2788

■ 113.0923,
131.6695, 48.0458

■ 4.8144, 6.7116,
0.0000

■ 143.0000,
165.2457, 66.2850

■ 2.1724, 3.2824,
0.0000

■ 177.7641,
204.0935, 88.6389

■ 0.7281, 1.2809,
0.0000

■ 217.7499,

■ 0.0000, 0.1263,

248.5974, 115.5262

0.0000

263.3227,
299.1416, 147.3653

■ 0.0000, 0.0000,
0.0000

■ 34.7171, 42.3933,
7.8663

■ 34.7171, 42.3933,
7.8663

■ 34.3830, 42.2452,
6.8285

■ 35.1912, 42.6006,
9.6295

■ 34.1685, 42.1453,
6.3340

■ 35.8213, 42.8689,
12.2154

■ 36.6244, 43.2064,
15.7090

■ 37.6146, 43.6189,
20.1842

■ 38.8044, 44.1112,
25.7072

■ 40.2053, 44.6881,
32.3385

■ 41.8279, 45.3537,
40.1340

■ 43.6821, 46.1120,
49.1458

■ 45.7772, 46.9668,
59.4228

Harmonies

Analogous

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



46.2681, 42.3933, 7.8300



34.7171, 42.3933, 7.8663



26.4359, 42.3933, 14.1750

Triad

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



34.7171, 42.3933, 7.8663



26.5212, 42.3933, 108.0253



65.9639, 42.3933, 64.4885

Complementary

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



34.7171, 42.3933, 7.8663



9.7504, 4.9124, 44.1529

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.



58.3043, 42.3933, 107.4567



34.7171, 42.3933, 7.8663



34.8568, 42.3933, 139.6865

Square

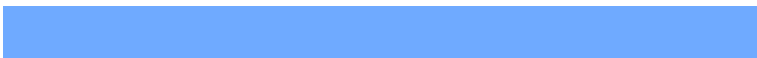
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.7171, 42.3933, 7.8663



22.3605, 42.3933, 65.0417



46.4373, 42.3933, 139.4392



65.9066, 42.3933, 31.3382

Rectangle

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



34.7171, 42.3933, 7.8663



23.2338, 42.3933, 24.2011



46.4373, 42.3933, 139.4392



64.1501, 42.3933, 78.5024

Sweetspot

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



34.7181, 42.3953, 7.8672



71.1604, 79.6844, 53.9055



20.0685, 11.3848, 2.6537



15.1899, 17.1442, 10.7496



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.7181, 42.3953, 7.8672



61.2643, 75.5101, 11.5480



22.3621, 36.0255, 7.2889



9.1679, 9.8916, 9.0786



23.5661, 29.0588, 4.3669



0.7503, 0.9189, 0.1378

Inverse Universe

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



9.7504, 4.9124, 44.1529



15.2076, 6.2276, 78.6951



15.6471, 7.9523, 44.4289



8.0678, 8.2435, 10.6723



5.8150, 2.3335, 30.2809



0.1918, 0.0780, 0.9532

Previews

White Background



This preview shows how the XYZ color 34.7171, 42.3933, 7.8663 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 34.7171, 42.3933, 7.8663 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 34.7171, 42.3933, 7.8663

Background



This preview shows how black text looks on a background with the XYZ color 34.7171, 42.3933, 7.8663.



This preview shows how white text looks on a background with the XYZ color 34.7171, 42.3933,

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

34.7171, 42.3933, 7.8663

Protanopia

38.1617, 42.1122, 7.4836

Deuteranopia

43.1046, 42.1448, 8.1484



Tritanopia

43.3705, 42.4447, 50.1627

Trichromacy



Original Color

34.7171, 42.3933, 7.8663

Protanomaly

36.9829, 42.3729, 7.6684

Deuteranomaly

39.5745, 41.9755, 8.0238

Tritanomaly

38.6070, 41.6360, 26.4238

Monochromacy



Original Color

34.7171, 42.3933, 7.8663

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.6756, 38.3352, 22.1475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7171, 42.3933, 7.8663 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(176, 181, 34)` looks like.

```
.text, #text, p{  
    color:rgb(176, 181, 34)  
}
```

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(176, 181, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 181, 34) }
```

Border

The CSS property to change the border of an element to XYZ 34.7171, 42.3933, 7.8663 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(176, 181, 34) }
```


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

```
.border{ border-color:rgb(176, 181, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 181, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 181, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 181, 34);  
box-shadow:4px 4px 4px 4px rgb(176, 181,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7171, 42.3933, 7.8663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 181, 34) }
```

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

```
.background{ background-color: rgb(176,  
181, 34) }
```

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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