

Converting Colors

XYZ(34.7837, 42.1512, 15.8087)

Have a look what the booklet for
XYZ(34.7837, 42.1512, 15.8087)
contains.

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Color

**XYZ(34.9046, 42.3151,
15.7791)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB559
RGB	170, 181, 89
RGB Percent	67%, 71%, 35%
CMY	0.3333, 0.2902, 0.6510
CMYK	0.06, 0.00, 0.51, 0.29
HSL	67°, 38%, 53%
HSV	67°, 51%, 71%
XYZ	34.9046, 42.3151, 15.7791
YIQ	167.2230, 22.9760, -30.9440

Conversions

Conversions Part 2

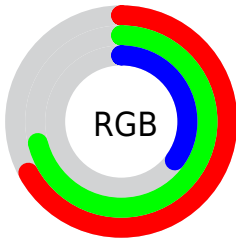
Format	Color
RYB	89, 181, 100
Decimal	11187545
CIELab	71.09, -17.32, 45.10
CIELCh	71, 48.311, 111.010
Yxy	42.3151, 0.3753, 0.4550
Android (android.graphics.Color)	4289377625 (0xFFAAB559)
YUV	167.2230, -38.5639, 2.4354
Hunter-Lab	65.0501, -18.0580, 31.1531

Details

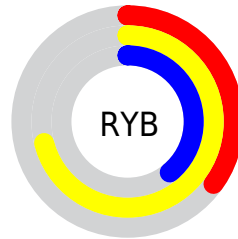
The XYZ color **34.9046, 42.3151, 15.7791** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.1699, 13.1913, 45.3599**, and the grayscale version is **37.0147, 38.9423, 42.4082**.

A 20% lighter version of the original color is **66.7705, 78.8224, 36.8944**, and **15.2715, 19.2913, 4.7524** is the 20% darker color. If you saturate the color by 10%, you get **33.7723, 41.8101, 12.2349**, and if you desaturate by 10%, it is **36.2336, 42.9027, 20.3096**.

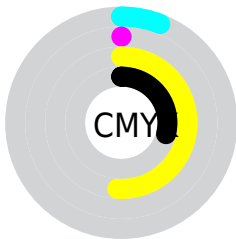
Distribution



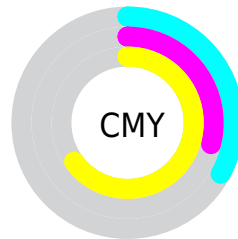
- Red (67%)
- Green (71%)
- Blue (35%)



- Red (35%)
- Yellow (71%)
- Blue (39%)



- Cyan (6%)
- Magenta (0%)
- Yellow (51%)
- Black (29%)





- Cyan (33%)
- Magenta (29%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9046, 42.3151, 15.7791 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 34.9046, 42.3151, 15.7791 by changing the saturation by 10% instead.


 34.9046, 42.3151,
15.7791


 34.9046, 42.3151,
15.7791


315.6624,
355.7875, 239.8357


 23.7556, 29.3481,
9.2153


 66.6729, 78.6763,
36.9757


 15.2762, 19.3443,
4.7832


 88.0230, 102.8393,
52.4456

 9.1010, 11.9193,
2.0641


 113.5040,
131.5030, 71.7214

 4.8648, 6.6888,
0.5943

 143.4815,
165.0520, 95.2214

 2.2021, 3.2682,
0.0000

178.3207,
203.8705, 123.3643

 0.7438, 1.2733,
0.0000

218.3870,

 0.0000, 0.1204,

248.3430, 156.5687

0.0000

264.0458,
298.8539, 195.2529

■ 0.0000, 0.0000,
0.0000

■ 34.9046, 42.3151,
15.7791

■ 34.9046, 42.3151,
15.7791

■ 33.7723, 41.8101,
12.2349

■ 36.2336, 42.9027,
20.3096

■ 32.8196, 41.3762,
9.6009

■ 37.7687, 43.5722,
25.8898

■ 32.0315, 41.0092,
7.7942

■ 39.5225, 44.3300,
32.5809

■ 31.3893, 40.7013,
6.7158

■ 41.5056, 45.1805,
40.4385

■ 30.8931, 40.4568,
6.1807

■ 43.7278, 46.1275,
49.5147

■ 46.1986, 47.1748,
59.8584

■ 48.9266, 48.3260,
71.5156

■ 51.9204, 49.5844,
84.5302

■ 55.1878, 50.9531,
98.9441

Harmonies

Analogous

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



42.6948, 42.3151, 14.6283



34.9046, 42.3151, 15.7791



29.3166, 42.3151, 23.3748

Triad

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



34.9046, 42.3151, 15.7791



31.2187, 42.3151, 90.0062



57.5895, 42.3151, 53.3783

Complementary

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



34.9046, 42.3151, 15.7791



17.1699, 13.1913, 45.3599

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.



53.5367, 42.3151, 80.1021



34.9046, 42.3151, 15.7791



37.8413, 42.3151, 105.4391

Square

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



34.9046, 42.3151, 15.7791



27.3949, 42.3151, 63.9293



46.0477, 42.3151, 101.3082



56.5268, 42.3151, 31.8975

Rectangle

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



34.9046, 42.3151, 15.7791



27.2501, 42.3151, 33.0648



46.0477, 42.3151, 101.3082



56.7622, 42.3151, 62.1133

Sweetspot

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



34.9056, 42.3170, 15.7800



72.7091, 80.2182, 65.9342



25.3923, 19.6094, 11.8984



15.5568, 17.2701, 13.6248



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.



34.9056, 42.3170, 15.7800



60.2624, 74.7774, 21.2670



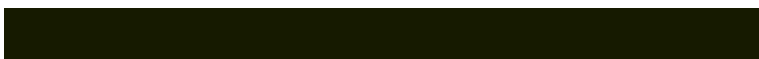
26.6794, 38.0762, 15.3950



9.0950, 9.8541, 9.0752



21.3345, 27.9084, 4.2624



0.6993, 0.8926, 0.1354

Inverse Universe

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



17.1699, 13.1913, 45.3599



24.9802, 16.7686, 80.2147



23.7209, 16.5685, 45.6664



8.1333, 8.2772, 10.6753



6.0049, 2.4314, 30.2898



0.2191, 0.0920, 0.9545

Previews

White Background



This preview shows how the XYZ color 34.9046, 42.3151, 15.7791 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 34.9046, 42.3151, 15.7791 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 34.9046, 42.3151, 15.7791

Background



This preview shows how black text looks on a background with the XYZ color 34.9046, 42.3151, 15.7791.



This preview shows how white text looks on a background with the XYZ color 34.9046, 42.3151,

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

34.9046, 42.3151, 15.7791

Protanopia

38.5946, 42.1667, 15.1217

Deuteranopia

43.0526, 42.2089, 16.2339



Tritanopia

42.2707, 42.4103, 51.3055

Trichromacy



Original Color

34.9046, 42.3151, 15.7791

Protanomaly

37.2508, 42.3392, 15.4415

Deuteranomaly

39.5206, 41.7688, 16.1044

Tritanomaly

38.8862, 42.1770, 34.5252

Monochromacy



Original Color

34.9046, 42.3151, 15.7791

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.5612, 39.6940, 30.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9046, 42.3151, 15.7791 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(170, 181, 89)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 89)  
}
```

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(170, 181, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 89) }
```

Border

The CSS property to change the border of an element to XYZ 34.9046, 42.3151, 15.7791 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(170, 181, 89) }
```


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

```
.border{ border-color:rgb(170, 181, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 181, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 181, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 181, 89);  
box-shadow:4px 4px 4px 4px rgb(170, 181,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9046, 42.3151, 15.7791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 89) }
```

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

```
.background{ background-color: rgb(170,  
181, 89) }
```

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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