

Converting Colors

XYZ(34.5406, 40.3911, 14.7342)

Have a look what the booklet for
XYZ(34.5406, 40.3911, 14.7342)
contains.

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Color

**XYZ(34.4652, 40.3305,
14.7722)**

Conversions

Conversions Part 1

Format	Color
Hex	AEAF56
RGB	174, 175, 86
RGB Percent	68%, 69%, 34%
CMY	0.3176, 0.3137, 0.6627
CMYK	0.01, 0.00, 0.51, 0.31
HSL	61°, 36%, 51%
HSV	61°, 51%, 69%
XYZ	34.4652, 40.3305, 14.7722
YIQ	164.5550, 27.9730, -27.8910

Conversions

Conversions Part 2

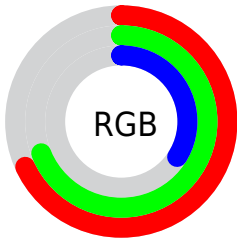
Format	Color
RYB	86, 175, 87
Decimal	11448150
CIELab	69.70, -12.87, 45.00
CIELCh	70, 46.802, 105.958
Yxy	40.3305, 0.3848, 0.4503
Android (android.graphics.Color)	4289638230 (0xFFAEAF56)
YUV	164.5550, -38.7276, 8.2833
Hunter-Lab	63.5063, -14.2631, 30.6630

Details

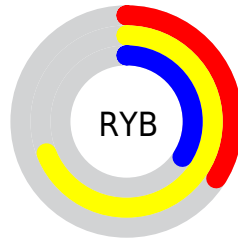
The XYZ color **34.4652, 40.3305, 14.7722** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.9976, 11.7780, 42.0428**, and the grayscale version is **35.7220, 37.5823, 40.9272**.

A 20% lighter version of the original color is **65.8393, 75.4175, 35.1317**, and **14.9941, 18.2092, 4.3146** is the 20% darker color. If you saturate the color by 10%, you get **33.8011, 40.0612, 11.5006**, and if you desaturate by 10%, it is **35.3039, 40.6726, 18.9547**.

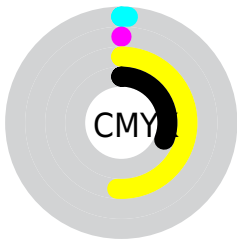
Distribution



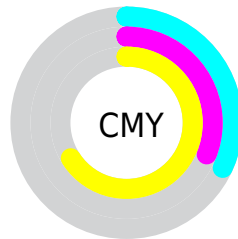
- Red (68%)
- Green (69%)
- Blue (34%)



- Red (34%)
- Yellow (69%)
- Blue (34%)



- Cyan (1%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)





- Cyan (32%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4652, 40.3305, 14.7722 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 34.4652, 40.3305, 14.7722 by changing the saturation by 10% instead.


 34.4652, 40.3305,
14.7722


 34.4652, 40.3305,
14.7722


313.7509,
347.5146, 233.5763

 23.4158, 27.7963,
8.5148


 65.9959, 75.6665,
35.1897


 15.0232, 18.1722,
4.3336


 87.2080, 99.2372,
50.1869


 8.9221, 11.0737,
1.8101


 112.5383,
127.2554, 68.9344

 4.7471, 6.1164,
0.4346

 142.3522,
160.1057, 91.8509

 2.1329, 2.9160,
0.0000

 177.0150,
198.1723, 119.3547

 0.7070, 1.0880,
0.0000

216.8922,

 0.0000, 0.0000,

241.8398, 151.8646

0.0000

262.3491,
291.4924, 189.7989

■ 34.4652, 40.3305,
14.7722

■ 34.4652, 40.3305,
14.7722

■ 33.8011, 40.0612,
11.5006

■ 35.3039, 40.6726,
18.9547

■ 33.2960, 39.8541,
9.0699

■ 36.3260, 41.0865,
24.1062

■ 32.9361, 39.7051,
7.4039

■ 37.5428, 41.5783,
30.2833

■ 32.7042, 39.6073,
6.4115

■ 38.9642, 42.1520,
37.5371

■ 32.5707, 39.5492,
5.9171

■ 40.5992, 42.8111,
45.9155

■ 42.4564, 43.5591,
55.4635

■ 44.5438, 44.3992,
66.2237

■ 46.8692, 45.3345,
78.2364

■ 49.4397, 46.3679,
91.5402

Harmonies

Analogous

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



41.9776, 40.3305, 14.5982



34.4652, 40.3305, 14.7722



28.7848, 40.3305, 20.8243

Triad

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



34.4652, 40.3305, 14.7722



29.0705, 40.3305, 81.2537



54.2752, 40.3305, 54.8348

Complementary

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



34.4652, 40.3305, 14.7722



14.9976, 11.7780, 42.0428

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.



49.7885, 40.3305, 79.7754



34.4652, 40.3305, 14.7722



34.9055, 40.3305, 98.1031

Square

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



34.4652, 40.3305, 14.7722



25.9621, 40.3305, 56.4129



42.4797, 40.3305, 97.4871



54.1163, 40.3305, 33.4112

Rectangle

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



34.4652, 40.3305, 14.7722



26.5076, 40.3305, 29.0132



42.4797, 40.3305, 97.4871



53.2371, 40.3305, 63.1999

Sweetspot

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



34.4662, 40.3324, 14.7730



68.6124, 75.0173, 61.2615



22.6881, 16.4425, 10.7826



15.1337, 16.6265, 13.0236



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



34.4662, 40.3324, 14.7730



60.4100, 71.6936, 19.9981



26.2941, 36.1195, 14.3906



8.6536, 9.3255, 8.5573



23.3272, 28.3227, 4.2374



0.6517, 0.7893, 0.1180

Inverse Universe

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



14.9976, 11.7780, 42.0428



21.6137, 14.7842, 74.3513



20.3497, 14.5371, 42.2933



7.5870, 7.7614, 10.0509



5.5626, 2.2275, 29.1813



0.1574, 0.0633, 0.8119

Previews

White Background



This preview shows how the XYZ color 34.4652, 40.3305, 14.7722 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 34.4652, 40.3305, 14.7722 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 34.4652, 40.3305, 14.7722

Background



This preview shows how black text looks on a background with the XYZ color 34.4652, 40.3305, 14.7722.



This preview shows how white text looks on a background with the XYZ color 34.4652, 40.3305,

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

34.4652, 40.3305, 14.7722

Protanopia

36.7140, 40.0809, 14.1889

Deuteranopia

41.0180, 40.1172, 15.0327



Tritanopia

41.2582, 40.3150, 47.7265

Trichromacy



Original Color

34.4652, 40.3305, 14.7722

Protanomaly

35.9207, 40.2282, 14.4659

Deuteranomaly

38.3451, 40.0778, 14.9473

Tritanomaly

38.1212, 40.1236, 32.5235

Monochromacy



Original Color

34.4652, 40.3305, 14.7722

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.7803, 38.4783, 28.8865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4652, 40.3305, 14.7722 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(174, 175, 86)` looks like.

```
.text, #text, p{  
    color:rgb(174, 175, 86)  
}
```

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(174, 175, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 175, 86) }
```

Border

The CSS property to change the border of an element to XYZ 34.4652, 40.3305, 14.7722 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(174, 175, 86) }
```


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

```
.border{ border-color:rgb(174, 175, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 175, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 175, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 175, 86);  
box-shadow:4px 4px 4px 4px rgb(174, 175,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4652, 40.3305, 14.7722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 175, 86) }
```

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

```
.background{ background-color: rgb(174,  
175, 86) }
```

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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