

Converting Colors

XYZ(34.0742, 42.3034, 19.8131)

Have a look what the booklet for
XYZ(34.0742, 42.3034, 19.8131)
contains.

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Color

**XYZ(34.1812, 42.4640,
19.7594)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B769
RGB	161, 183, 105
RGB Percent	63%, 72%, 41%
CMY	0.3686, 0.2823, 0.5882
CMYK	0.12, 0.00, 0.43, 0.28
HSL	77°, 35%, 56%
HSV	77°, 43%, 72%
XYZ	34.1812, 42.4640, 19.7594
YIQ	167.5300, 11.9260, -28.9220

Conversions

Conversions Part 2

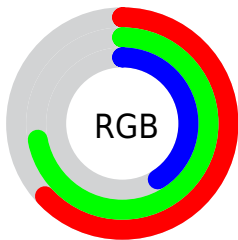
Format	Color
RYB	105, 183, 127
Decimal	10598249
CIELab	71.19, -20.25, 37.10
CIELCh	71, 42.264, 118.632
Yxy	42.4640, 0.3546, 0.4405
Android (android.graphics.Color)	4288788329 (0xFFA1B769)
YUV	167.5300, -30.8273, -5.7268
Hunter-Lab	65.1644, -20.4077, 27.6369

Details

The XYZ color **34.1812, 42.4640, 19.7594** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.3529, 18.0352, 47.1053**, and the grayscale version is **37.1321, 39.0659, 42.5427**.

A 20% lighter version of the original color is **65.5676, 78.9190, 43.6754**, and **14.8808, 19.4389, 6.7092** is the 20% darker color. If you saturate the color by 10%, you get **32.3214, 41.6038, 15.2799**, and if you desaturate by 10%, it is **36.2885, 43.4311, 25.3088**.

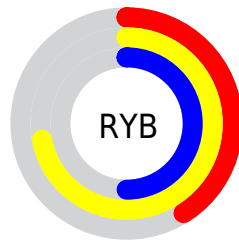
Distribution



Red (63%)

Green (72%)

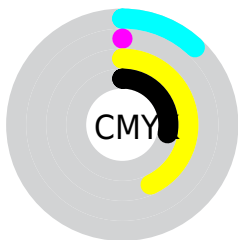
Blue (41%)



Red (41%)

Yellow (72%)

Blue (50%)

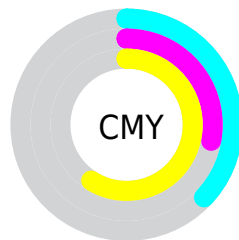


Cyan (12%)

Magenta (0%)

Yellow (43%)

Black (28%)



Cyan (37%)


Magenta (28%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1812, 42.4640, 19.7594 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 34.1812, 42.4640, 19.7594 by changing the saturation by 10% instead.


 34.1812, 42.4640,
19.7594


 34.1812, 42.4640,
19.7594


312.5110,
356.4028, 263.1706


 23.1964, 29.4648,
12.0379


 65.5578, 78.9014,
43.8671


 14.8601, 19.4327,
6.6467


 86.6802, 103.1084,
61.0904

 8.8069, 11.9834,
3.1670


 111.9126,
131.8200, 82.3180

 4.6716, 6.7323,
1.1806

 141.6203,
165.4208, 107.9686

 2.0886, 3.2953,
0.0000

176.1686,
204.2951, 138.4606

 0.6830, 1.2878,
0.0000

215.9229,

 0.0000, 0.1317,

248.8272, 174.2126

0.0000

261.2486,
299.4017, 215.6431

■ 0.0000, 0.0000,
0.0000

■ 34.1812, 42.4640,
19.7594

■ 34.1812, 42.4640,
19.7594

■ 32.3214, 41.6038,
15.2799

■ 36.2885, 43.4311,
25.3088

■ 30.6923, 40.8394,
11.7984

■ 38.6526, 44.5044,
31.9882

■ 29.2798, 40.1664,
9.2387


■ 41.2861, 45.6906,
39.8566


■ 28.0666, 39.5779,
7.5123

■ 44.1997, 46.9940,
48.9681


■ 27.0321, 39.0656,
6.5136


■ 47.4036, 48.4186,
59.3734

 26.3532, 38.7244,
6.0856

 50.9072, 49.9684,
71.1204

 54.7197, 51.6471,
84.2546

 58.8497, 53.4581,
98.8193

 60.8463, 54.4212,
101.9051

Harmonies

Analogous

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



40.6867, 42.4640, 17.1811



34.1812, 42.4640, 19.7594



29.8150, 42.4640, 28.7627

Triad

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



34.1812, 42.4640, 19.7594



33.6797, 42.4640, 88.1660



55.5613, 42.4640, 47.1733

Complementary

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



34.1812, 42.4640, 19.7594



22.3529, 18.0352, 47.1053

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.



53.1393, 42.4640, 69.6508



34.1812, 42.4640, 19.7594



40.0366, 42.4640, 97.2060

Square

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



34.1812, 42.4640, 19.7594



29.5501, 42.4640, 67.5533



47.2435, 42.4640, 89.6054



53.5308, 42.4640, 29.9538

Rectangle

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



34.1812, 42.4640, 19.7594



28.4290, 42.4640, 38.9675



47.2435, 42.4640, 89.6054



55.2361, 42.4640, 54.3566

Sweetspot

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



34.1822, 42.4659, 19.7603



73.6460, 81.6952, 70.4841



29.5151, 25.9591, 16.8202



16.0283, 17.9371, 14.8458



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.1822, 42.4659, 19.7603



58.1288, 74.6218, 27.9249



27.6818, 39.1148, 19.4561



9.4966, 10.3726, 9.6085



18.4531, 27.0492, 4.2484



0.7077, 0.9830, 0.1524

Inverse Universe

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



22.3529, 18.0352, 47.1053



34.2141, 25.1757, 83.2918



29.0758, 21.5010, 47.4199



8.7527, 8.8389, 11.3242



6.9963, 2.9179, 31.4475



0.3093, 0.1351, 1.1115

Previews

White Background



This preview shows how the XYZ color 34.1812, 42.4640, 19.7594 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 34.1812, 42.4640, 19.7594 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 34.1812, 42.4640, 19.7594

Background



This preview shows how black text looks on a background with the XYZ color 34.1812, 42.4640, 19.7594.



This preview shows how white text looks on a background with the XYZ color 34.1812, 42.4640,

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

34.1812, 42.4640, 19.7594

Protanopia

39.0202, 42.3078, 18.6800

Deuteranopia

42.9749, 42.0782, 20.3249



Tritanopia

40.9265, 42.2457, 53.0109

Trichromacy



Original Color

34.1812, 42.4640, 19.7594

Protanomaly

36.9927, 42.1269, 19.0135

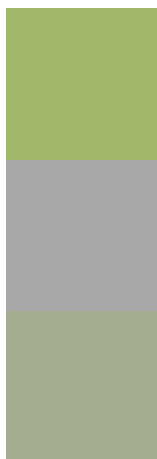
Deuteranomaly

39.1975, 41.7942, 20.1885

Tritanomaly

37.9564, 42.2034, 38.0439

Monochromacy



Original Color

34.1812, 42.4640, 19.7594

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.5715, 39.9308, 32.6207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1812, 42.4640, 19.7594 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(161, 183, 105)` looks like.

```
.text, #text, p{  
    color:rgb(161, 183, 105)  
}
```

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(161, 183, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 183, 105) }
```

Border

The CSS property to change the border of an element to XYZ 34.1812, 42.4640, 19.7594 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(161, 183, 105) }
```


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

```
.border{ border-color:rgb(161, 183, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 183, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 183, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 183, 105);  
box-shadow:4px 4px 4px 4px rgb(161, 183,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1812, 42.4640, 19.7594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 183, 105) }
```

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

```
.background{ background-color: rgb(161,  
183, 105) }
```

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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