

Converting Colors

XYZ(34.8323, 42.8537, 31.4091)

Have a look what the booklet for
XYZ(34.8323, 42.8537, 31.4091)
contains.

XYZ(34.8230, 42.8498, 31.2464)	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(34.8230, 42.8498,
31.2464)**

Conversions

Conversions Part 1

Format	Color
Hex	98B88C
RGB	152, 184, 140
RGB Percent	60%, 72%, 55%
CMY	0.4039, 0.2784, 0.4510
CMYK	0.17, 0.00, 0.24, 0.28
HSL	104°, 24%, 64%
HSV	104°, 24%, 72%
XYZ	34.8230, 42.8498, 31.2464
YIQ	169.4160, -4.9480, -20.4680

Conversions

Conversions Part 2

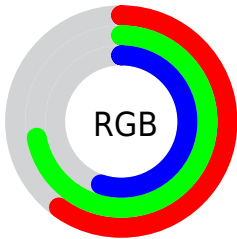
Format	Color
RYB	140, 184, 172
Decimal	10008716
CIELab	71.45, -19.18, 18.86
CIELCh	71, 26.897, 135.473
Yxy	42.8498, 0.3197, 0.3934
Android (android.graphics.Color)	4288198796 (0xFF98B88C)
YUV	169.4160, -14.5021, -15.2738
Hunter-Lab	65.4598, -19.5969, 17.5205

Details

The XYZ color **34.8230, 42.8498, 31.2464** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.0448, 30.9887, 49.4840**, and the grayscale version is **37.9905, 39.9690, 43.5262**.

A 20% lighter version of the original color is **66.6298, 79.4806, 62.8685**, and **15.2173, 19.6801, 12.6695** is the 20% darker color. If you saturate the color by 10%, you get **31.2133, 41.1341, 24.5776**, and if you desaturate by 10%, it is **38.9445, 44.8057, 39.1252**.

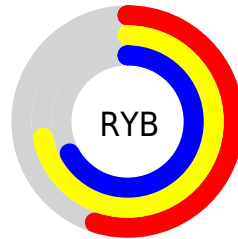
Distribution



Red (60%)

Green (72%)

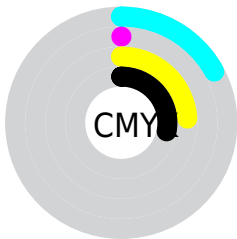
Blue (55%)



Red (55%)

Yellow (72%)

Blue (67%)

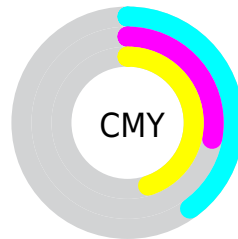


Cyan (17%)

Magenta (0%)

Yellow (24%)

Black (28%)



Cyan (40%)

Magenta (28%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8230, 42.8498, 31.2464 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 34.8230, 42.8498, 31.2464 by changing the saturation by 10% instead.

■ 34.8230, 42.8498,
31.2464

■ 34.8230, 42.8498,
31.2464

315.3081,
357.9937, 322.0582

■ 23.6924, 29.7673,
20.5265

■ 66.5473, 79.4842,
62.7119

■ 15.2291, 19.6620,
12.5905

■ 87.8718, 103.8048,
84.2946

■ 9.0677, 12.1496,
7.0198

■ 113.3249,
132.6402, 110.3353

■ 4.8428, 6.8456,
3.3958

143.2720,
166.3749, 141.2526

■ 2.1892, 3.3658,
1.3001

178.0786,
205.3932, 177.4650

■ 0.7370, 1.3255,
0.0619

218.1099,

■ 0.0000, 0.1608,

250.0795, 219.3910

0.0000

263.7313,
300.8182, 267.4492

0.0000, 0.0000,
0.0000

34.8230, 42.8498,
31.2464

34.8230, 42.8498,
31.2464

31.2133, 41.1341,
24.5776

38.9445, 44.8057,
39.1252

28.0915, 39.6437,
19.0563

43.5939, 47.0050,
48.2670

25.4365, 38.3705,
14.6184

48.7906, 49.4579,
58.7249

23.2244, 37.3036,
11.1926

54.5521, 52.1723,
70.5480

21.4291, 36.4314,
8.6988

60.8950, 55.1559,
83.7833

■ 20.0211, 35.7408,
7.0451

■ 67.8354, 58.4157,
98.4751

■ 18.9666, 35.2165,
6.1205

■ 73.0852, 61.0377,
102.5372

■ 18.4655, 34.9653,
5.7757

■ 76.4313, 62.7627,
102.6938

Harmonies

Analogous

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



38.4456, 42.8498, 26.4930



34.8230, 42.8498, 31.2464



32.8576, 42.8498, 40.6693

Triad

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



34.8230, 42.8498, 31.2464



38.5795, 42.8498, 75.2395



49.7205, 42.8498, 40.3071

Complementary

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



34.8230, 42.8498, 31.2464



35.0448, 30.9887, 49.4840

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.



49.7631, 42.8498, 53.2034



34.8230, 42.8498, 31.2464



43.0978, 42.8498, 75.0929

Square

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



34.8230, 42.8498, 31.2464



34.9148, 42.8498, 66.8158



47.2642, 42.8498, 66.4462



47.1519, 42.8498, 31.0238

Rectangle

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



34.8230, 42.8498, 31.2464



32.6510, 42.8498, 49.0782



47.2642, 42.8498, 66.4462



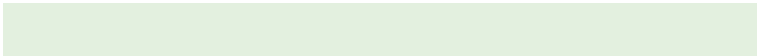
50.0367, 42.8498, 44.3151

Sweetspot

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



34.8241, 42.8516, 31.2473



76.2159, 83.8789, 81.9294



39.1664, 41.4133, 30.7409



16.3214, 18.0309, 17.4468



88.6918, 93.3107, 101.6153



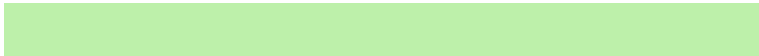
17.8044, 18.7317, 20.3988

Same Dimension

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



34.8241, 42.8516, 31.2473



59.3670, 75.8901, 49.6423



33.4245, 42.0453, 35.0123



9.1141, 10.1754, 9.5906



12.7851, 24.1273, 3.9832



0.5122, 0.8822, 0.1433

Inverse Universe

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



35.0448, 30.9887, 49.4840



59.8344, 50.4251, 88.7840



36.8324, 32.0219, 44.5247



9.1356, 9.0363, 11.3421



12.7898, 5.9046, 31.7187



0.5069, 0.2370, 1.1208

Previews

White Background



This preview shows how the XYZ color 34.8230, 42.8498, 31.2464 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 34.8230, 42.8498, 31.2464 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 34.8230, 42.8498, 31.2464

Background



This preview shows how black text looks on a background with the XYZ color 34.8230, 42.8498, 31.2464.



This preview shows how white text looks on a background with the XYZ color 34.8230, 42.8498,

31.2464.

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

34.8230, 42.8498, 31.2464

Protanopia

39.7589, 42.4605, 29.0218

Deuteranopia

43.3177, 42.5450, 31.9155



Tritanopia

39.6233, 42.6795, 55.4398

Trichromacy



Original Color

34.8230, 42.8498, 31.2464

Protanomaly

37.8913, 42.6456, 29.9012

Deuteranomaly

39.7857, 42.4154, 31.6813

Tritanomaly

37.6723, 42.7892, 45.3033

Monochromacy



Original Color

34.8230, 42.8498, 31.2464

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.4119, 40.5273, 38.2512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8230, 42.8498, 31.2464 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(152, 184, 140)` looks like.

```
.text, #text, p{  
    color:rgb(152, 184, 140)  
}
```

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(152, 184, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 184, 140) }
```

Border

The CSS property to change the border of an element to XYZ 34.8230, 42.8498, 31.2464 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(152, 184, 140) }
```


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

```
.border{ border-color:rgb(152, 184, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 184, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 184, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 184, 140);  
box-shadow:4px 4px 4px 4px rgb(152, 184,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8230, 42.8498, 31.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 184, 140) }
```

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

```
.background{ background-color: rgb(152,  
184, 140) }
```

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