

Converting Colors

XYZ(36.8243, 42.9708, 31.6382)

Have a look what the booklet for
XYZ(36.8243, 42.9708, 31.6382)
contains.

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Color

**XYZ(36.8486, 42.9702,
31.5512)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B58D
RGB	165, 181, 141
RGB Percent	65%, 71%, 55%
CMY	0.3529, 0.2902, 0.4471
CMYK	0.09, 0.00, 0.22, 0.29
HSL	84°, 21%, 63%
HSV	84°, 22%, 71%
XYZ	36.8486, 42.9702, 31.5512
YIQ	171.6560, 3.3040, -15.8320

Conversions

Conversions Part 2

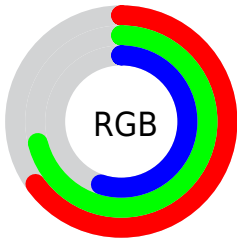
Format	Color
RYB	141, 181, 157
Decimal	10859917
CIELab	71.53, -12.72, 18.57
CIELCh	72, 22.513, 124.406
Yxy	42.9702, 0.3309, 0.3858
Android (android.graphics.Color)	4289049997 (0xFFA5B58D)
YUV	171.6560, -15.1134, -5.8373
Hunter-Lab	65.5517, -14.3751, 17.3488

Details

The XYZ color **36.8486, 42.9702, 31.5512** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.7718, 29.5552, 47.7487**, and the grayscale version is **39.1125, 41.1494, 44.8117**.

A 20% lighter version of the original color is **69.6497, 79.7241, 63.3471**, and **16.4176, 19.7044, 12.8356** is the 20% darker color. If you saturate the color by 10%, you get **34.1469, 41.7218, 24.9598**, and if you desaturate by 10%, it is **39.8580, 44.3544, 39.3078**.

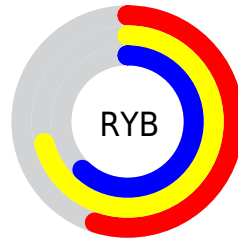
Distribution



Red (65%)

Green (71%)

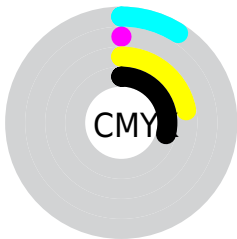
Blue (55%)



Red (55%)

Yellow (71%)

Blue (62%)

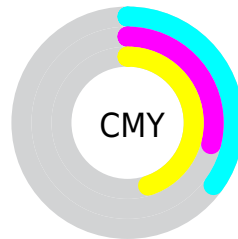


Cyan (9%)

Magenta (0%)

Yellow (22%)

Black (29%)



Cyan (35%)

Magenta (29%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8486, 42.9702, 31.5512 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 36.8486, 42.9702, 31.5512 by changing the saturation by 10% instead.

■ 36.8486, 42.9702,
31.5512

■ 36.8486, 42.9702,
31.5512

324.0215,
358.4892, 323.4992

■ 25.2634, 29.8617,
20.7570

■ 69.6552, 79.6659,
63.1966

■ 16.4032, 19.7337,
12.7570

■ 91.6074, 104.0219,
84.8848

■ 9.9026, 12.2016,
7.1326

■ 117.7459,
132.8959, 111.0413

■ 5.3962, 6.8811,
3.4655

148.4361,
166.6722, 142.0849

■ 2.5187, 3.3879,
1.3370

184.0435,
205.7354, 178.4339

■ 0.9047, 1.3374,
0.0918

224.9332,

■ 0.0000, 0.1699,

250.4696, 220.5069

0.0000

271.4708,
301.2594, 268.7225

■ 0.0000, 0.0000,
0.0000

■ 36.8486, 42.9702,
31.5512

■ 36.8486, 42.9702,
31.5512

■ 34.1469, 41.7218,
24.9598

■ 39.8580, 44.3544,
39.3078

■ 31.7374, 40.5986,
19.4745

■ 43.1831, 45.8734,
48.2793

■ 29.6083, 39.5971,
15.0352

■ 46.8357, 47.5336,
58.5158

■ 27.7455, 38.7114,
11.5750

■ 50.8258, 49.3391,
70.0641

■ 26.1331, 37.9351,
9.0192

■ 55.1632, 51.2940,
82.9682

■ 24.7536, 37.2609,
7.2825

■ 59.8571, 53.4021,
97.2702

■ 23.5859, 36.6803,
6.2631

■ 62.8025, 54.8215,
101.8793

■ 22.7810, 36.2748,
5.8011

■ 64.9855, 55.9469,
101.9815

■ 67.2639, 57.1214,
102.0881

Harmonies

Analogous

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



40.2829, 42.9702, 28.8622



36.8486, 42.9702, 31.5512



34.5968, 42.9702, 38.3125

Triad

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



36.8486, 42.9702, 31.5512



37.7643, 42.9702, 68.3249



48.5734, 42.9702, 45.1972

Complementary

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



36.8486, 42.9702, 31.5512



31.7718, 29.5552, 47.7487

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.



47.7966, 42.9702, 56.4277



36.8486, 42.9702, 31.5512



41.4061, 42.9702, 70.9220

Square

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



36.8486, 42.9702, 31.5512



35.1021, 42.9702, 59.6433



45.1137, 42.9702, 66.2755



47.1756, 42.9702, 35.9256

Rectangle

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



36.8486, 42.9702, 31.5512



33.9894, 42.9702, 44.7757



45.1137, 42.9702, 66.2755



48.5586, 42.9702, 48.8582

Sweetspot

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



36.8497, 42.9721, 31.5521



74.2765, 80.7580, 78.1249



35.9224, 35.8623, 30.2287



15.9791, 17.4205, 16.6842



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.



36.8497, 42.9721, 31.5521



63.3369, 75.7310, 49.9365



33.0100, 40.9926, 31.3724



8.8615, 9.7337, 9.0643



15.7838, 25.0469, 4.0026



0.5603, 0.8209, 0.1289

Inverse Universe

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



31.7718, 29.5552, 47.7487



52.4706, 47.0148, 84.6039



35.9985, 31.7342, 47.9465



8.3530, 8.3905, 10.6856



7.6873, 3.2987, 30.3685



0.3086, 0.1382, 0.9586

Previews

White Background



This preview shows how the XYZ color 36.8486, 42.9702, 31.5512 looks on a white background.

Color Contrast Check

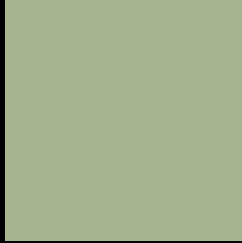
Large Text (above 18pt) WCAG AA × Fail

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 36.8486, 42.9702, 31.5512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

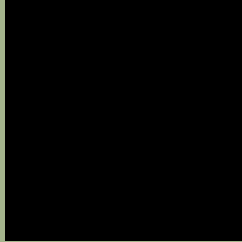
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8486, 42.9702, 31.5512

Background



This preview shows how black text looks on a background with the XYZ color 36.8486, 42.9702, 31.5512.



This preview shows how white text looks on a background with the XYZ color 36.8486, 42.9702,

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

36.8486, 42.9702, 31.5512

Protanopia

40.1671, 42.9340, 30.2148

Deuteranopia

43.6653, 42.7154, 32.3290



Tritanopia

41.4203, 43.0614, 53.7056

Trichromacy



Original Color

36.8486, 42.9702, 31.5512

Protanomaly

38.7424, 42.7733, 30.6402

Deuteranomaly

40.8878, 42.6891, 32.0714

Tritanomaly

39.4350, 42.8196, 44.7146

Monochromacy



Original Color

36.8486, 42.9702, 31.5512

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.1252, 41.6682, 39.7516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8486, 42.9702, 31.5512 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(165, 181, 141)` looks like.

```
.text, #text, p{  
    color:rgb(165, 181, 141)  
}
```

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(165, 181, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 181, 141) }
```

Border

The CSS property to change the border of an element to XYZ 36.8486, 42.9702, 31.5512 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(165, 181, 141) }
```


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

```
.border{ border-color:rgb(165, 181, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 181, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 181, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 181, 141);  
box-shadow:4px 4px 4px 4px rgb(165, 181,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8486, 42.9702, 31.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 181, 141) }
```

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

```
.background{ background-color: rgb(165,  
181, 141) }
```

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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