

Converting Colors

XYZ(36.2252, 48.4185, 31.9507)

Have a look what the booklet for
XYZ(36.2252, 48.4185, 31.9507)
contains.

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Color

**XYZ(36.2390, 48.4617,
31.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	8EC78B
RGB	142, 199, 139
RGB Percent	56%, 78%, 55%
CMY	0.4431, 0.2196, 0.4549
CMYK	0.29, 0.00, 0.30, 0.22
HSL	117°, 35%, 66%
HSV	117°, 30%, 78%
XYZ	36.2390, 48.4617, 31.8701
YIQ	175.1170, -14.7120, -30.7440

Conversions

Conversions Part 2

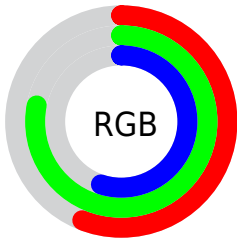
Format	Color
RYB	139, 199, 196
Decimal	9357195
CIELab	75.12, -30.18, 24.30
CIElCh	75, 38.746, 141.152
Yxy	48.4617, 0.3109, 0.4157
Android (android.graphics.Color)	4287547275 (0xFF8EC78B)
YUV	175.1170, -17.8057, -29.0436
Hunter-Lab	69.6144, -28.9040, 21.5866

Details

The XYZ color **36.2390, 48.4617, 31.8701** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.3083, 34.3258, 58.4310**, and the grayscale version is **40.9040, 43.0342, 46.8642**.

A 20% lighter version of the original color is **68.4116, 87.2406, 63.6855**, and **16.1033, 23.1290, 12.8481** is the 20% darker color. If you saturate the color by 10%, you get **31.9423, 46.4011, 24.7575**, and if you desaturate by 10%, it is **41.3531, 50.9159, 40.4046**.

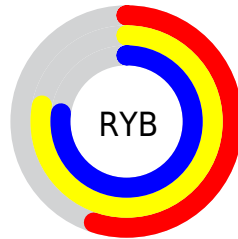
Distribution



Red (56%)

Green (78%)

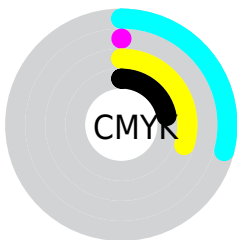
Blue (55%)



Red (55%)

Yellow (78%)

Blue (77%)

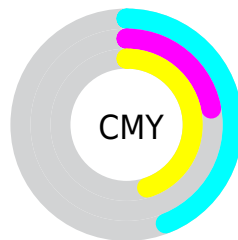


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (22%)



Cyan (44%)

Magenta (22%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2390, 48.4617, 31.8701 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 36.2390, 48.4617, 31.8701 by changing the saturation by 10% instead.

■ 36.2390, 48.4617,
31.8701

■ 36.2390, 48.4617,
31.8701

321.4170,
380.6193, 325.0016

■ 24.7898, 34.1927,
20.9983

■ 68.7223, 87.8914,
63.7029

■ 16.0484, 23.0416,
12.9315

■ 90.4870, 113.8209,
85.5010

■ 9.6495, 14.6243,
7.2512

■ 116.4210,
144.4060, 111.7783

■ 5.2277, 8.5561,
3.5389

146.8896,
180.0311, 142.9534

■ 2.4176, 4.4528,
1.3760

182.2582,
221.0806, 179.4447

■ 0.8539, 1.9299,
0.1229

222.8920,

■ 0.0000, 0.5663,

267.9388, 221.6708

0.0000

269.1565,
320.9903, 270.0502

0.0000, 0.0000,
0.0000

36.2390, 48.4617,
31.8701

36.2390, 48.4617,
31.8701

31.9423, 46.4011,
24.7575

41.3531, 50.9159,
40.4046

28.4171, 44.7079,
18.9866

47.3199, 53.7762,
50.4291

25.6188, 43.3623,
14.4741

54.1772, 57.0620,
62.0109

23.4966, 42.3401,
11.1264

61.9594, 60.7898,
75.2124

21.9931, 41.6142,
8.8363

70.6992, 64.9750,
90.0928

■ 21.0417, 41.1528,
7.4775

■ 79.7144, 69.3287,
103.7881

■ 20.5489, 40.9129,
6.8139

Harmonies

Analogous

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



41.3152, 48.4617, 24.0877



36.2390, 48.4617, 31.8701



33.8615, 48.4617, 46.9863

Triad

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



36.2390, 48.4617, 31.8701



43.9962, 48.4617, 101.5101



59.9812, 48.4617, 39.8948

Complementary

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



36.2390, 48.4617, 31.8701



42.3083, 34.3258, 58.4310

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.



60.8876, 48.4617, 59.0025



36.2390, 48.4617, 31.8701



51.1579, 48.4617, 98.1966

Square

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



36.2390, 48.4617, 31.8701



38.0285, 48.4617, 89.3883



57.5153, 48.4617, 81.2404



55.1526, 48.4617, 27.8263

Rectangle

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



36.2390, 48.4617, 31.8701



33.9391, 48.4617, 60.6840



57.5153, 48.4617, 81.2404



60.7730, 48.4617, 45.5696

Sweetspot

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



36.2403, 48.4638, 31.8712



84.0013, 94.7059, 90.2339



47.9554, 53.4884, 32.2236



17.6239, 20.1004, 18.7143



0.0000, 0.0000, 0.0000



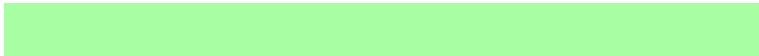
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2403, 48.4638, 31.8712



58.4924, 82.4732, 47.5804



37.9553, 49.0911, 43.5528



10.5457, 11.9127, 11.3063



13.2349, 26.3181, 4.3824



0.6442, 1.2552, 0.2083

Inverse Universe

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



42.3083, 34.3258, 58.4310



70.7545, 53.8854, 101.2795



40.2338, 33.5871, 43.3937



11.0287, 10.7886, 13.4186



20.1543, 9.6242, 35.5398



0.9708, 0.4642, 1.6836

Previews

White Background



This preview shows how the XYZ color 36.2390, 48.4617, 31.8701 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 36.2390, 48.4617, 31.8701 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 36.2390, 48.4617, 31.8701

Background



This preview shows how black text looks on a background with the XYZ color 36.2390, 48.4617, 31.8701.

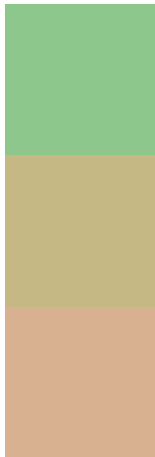


This preview shows how white text looks on a background with the XYZ color 36.2390, 48.4617,

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

36.2390, 48.4617, 31.8701

Protanopia

44.5941, 47.9527, 28.7352

Deuteranopia

49.0751, 48.0568, 33.0749



Tritanopia

42.8805, 48.1532, 65.4270

Trichromacy



Original Color

36.2390, 48.4617, 31.8701

Protanomaly

40.9309, 47.6094, 29.9539

Deuteranomaly

43.2177, 47.4697, 32.4759

Tritanomaly

40.0911, 48.0014, 51.4081

Monochromacy



Original Color

36.2390, 48.4617, 31.8701

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.7663, 44.6761, 40.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2390, 48.4617, 31.8701 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(142, 199, 139)` looks like.

```
.text, #text, p{  
    color:rgb(142, 199, 139)  
}
```

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(142, 199, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 199, 139) }
```

Border

The CSS property to change the border of an element to XYZ 36.2390, 48.4617, 31.8701 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(142, 199, 139) }
```


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

```
.border{ border-color:rgb(142, 199, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 199, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 199, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 199, 139);  
box-shadow:4px 4px 4px 4px rgb(142, 199,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2390, 48.4617, 31.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 199, 139) }
```

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

```
.background{ background-color: rgb(142,  
199, 139) }
```

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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