

Converting Colors

XYZ(33.7208, 43.6171, 34.6830)

Have a look what the booklet for
XYZ(33.7208, 43.6171, 34.6830)
contains.

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Color

**XYZ(33.6450, 43.4229,
34.6252)**

Conversions

Conversions Part 1

Format	Color
Hex	89BC94
RGB	137, 188, 148
RGB Percent	54%, 74%, 58%
CMY	0.4627, 0.2627, 0.4196
CMYK	0.27, 0.00, 0.21, 0.26
HSL	133°, 28%, 64%
HSV	133°, 27%, 74%
XYZ	33.6450, 43.4229, 34.6252
YIQ	168.1910, -17.5560, -23.2520

Conversions

Conversions Part 2

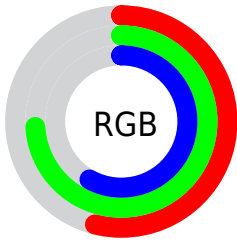
Format	Color
RYB	137, 179, 188
Decimal	9026708
CIELab	71.84, -24.93, 14.94
CIELCh	72, 29.061, 149.070
Yxy	43.4229, 0.3012, 0.3888
Android (android.graphics.Color)	4287216788 (0xFF89BC94)
YUV	168.1910, -9.9542, -27.3545
Hunter-Lab	65.8961, -24.1801, 14.9732

Details

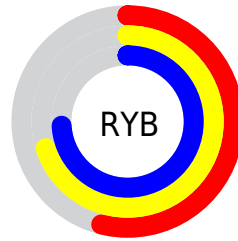
The XYZ color **33.6450, 43.4229, 34.6252** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.6219, 31.7579, 45.7436**, and the grayscale version is **37.3677, 39.3137, 42.8127**.

A 20% lighter version of the original color is **64.4972, 80.0420, 67.9274**, and **14.5205, 19.8917, 14.3834** is the 20% darker color. If you saturate the color by 10%, you get **29.7339, 41.5343, 28.7331**, and if you desaturate by 10%, it is **38.2441, 45.6515, 41.3276**.

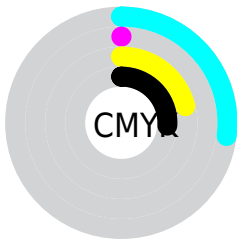
Distribution



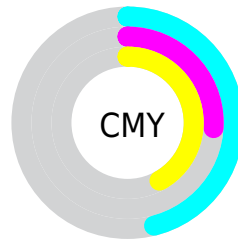
- Red (54%)
- Green (74%)
- Blue (58%)



- Red (54%)
- Yellow (70%)
- Blue (74%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (26%)





- Cyan (46%)
- Magenta (26%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6450, 43.4229, 34.6252 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 33.6450, 43.4229, 34.6252 by changing the saturation by 10% instead.


 33.6450, 43.4229,
34.6252


 33.6450, 43.4229,
34.6252


310.1601,
360.3481, 337.7647


 22.7826, 30.2171,
23.0931


 64.7292, 80.3486,
68.0497

 14.5529, 20.0034,
14.4563


 85.6817, 104.8373,
90.7792

 8.5905, 12.3975,
8.2963


 110.7283,
133.8558, 118.0781

 4.5300, 7.0150,
4.1947

140.2344,
167.7884, 150.3652

 2.0061, 3.4715,
1.7327

174.5652,
207.0195, 188.0588

 0.6374, 1.3826,
0.3830

214.0862,

 0.0000, 0.2038,

251.9336, 231.5776

0.0000

259.1627,
302.9150, 281.3400

■ 0.0000, 0.0000,
0.0000

■ 33.6450, 43.4229,
34.6252

■ 33.6450, 43.4229,
34.6252

■ 29.7339, 41.5343,
28.7331

■ 38.2441, 45.6515,
41.3276

■ 26.4739, 39.9635,
23.6176

■ 43.5590, 48.2300,
48.8663

■ 23.8300, 38.6945,
19.2472

■ 49.6198, 51.1748,
57.2699

■ 21.7621, 37.7074,
15.5870

■ 56.4542, 54.4994,
66.5646

■ 20.2256, 36.9798,
12.5991

■ 64.0884, 58.2169,
76.7757

■ 19.1687, 36.4860,
10.2423

■ 72.5472, 62.3395,
87.9273

■ 18.5211, 36.1907,
8.4703

■ 76.6712, 64.2070,
99.8001

■ 18.3765, 36.1251,
8.0612

■ 77.2741, 64.4481,
102.9747

Harmonies

Analogous

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



36.8246, 43.4229, 27.2582



33.6450, 43.4229, 34.6252



32.4805, 43.4229, 46.8400

Triad

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



33.6450, 43.4229, 34.6252



41.1182, 43.4229, 80.0492



50.1482, 43.4229, 35.2503

Complementary

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



33.6450, 43.4229, 34.6252



37.6219, 31.7579, 45.7436

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.



51.5223, 43.4229, 47.7231



33.6450, 43.4229, 34.6252



46.0641, 43.4229, 75.2815

Square

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



33.6450, 43.4229, 34.6252



36.5777, 43.4229, 74.6810



49.9728, 43.4229, 62.6946



46.3521, 43.4229, 27.5652

Rectangle

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



33.6450, 43.4229, 34.6252



32.9260, 43.4229, 56.7421



49.9728, 43.4229, 62.6946



50.9214, 43.4229, 38.9333

Sweetspot

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



33.6462, 43.4247, 34.6262



77.9151, 86.9079, 87.1197



40.8145, 47.2160, 30.6297



16.4285, 18.5305, 18.2747



90.7827, 95.5105, 104.0109



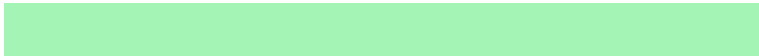
18.6292, 19.5994, 21.3438

Same Dimension

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



33.6462, 43.4247, 34.6262



56.2908, 76.4324, 55.7394



35.8148, 44.2922, 46.0463



9.4908, 10.6824, 10.5678



12.5341, 24.6039, 5.6094



0.5158, 0.9737, 0.3503

Inverse Universe

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



37.6219, 31.7579, 45.7436



64.7818, 51.5000, 79.4713



35.3780, 30.8603, 33.9275



9.8394, 9.6601, 11.5435



17.7583, 8.7345, 19.8185



0.7180, 0.3511, 0.8941

Previews

White Background



This preview shows how the XYZ color 33.6450, 43.4229, 34.6252 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 33.6450, 43.4229, 34.6252 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 33.6450, 43.4229, 34.6252

Background



This preview shows how black text looks on a background with the XYZ color 33.6450, 43.4229, 34.6252.



This preview shows how white text looks on a background with the XYZ color 33.6450, 43.4229,

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

33.6450, 43.4229, 34.6252

Protanopia

40.4622, 43.0520, 31.7685

Deuteranopia

43.9429, 43.0604, 35.7012



Tritanopia

38.5458, 43.5524, 58.5994

Trichromacy



Original Color

33.6450, 43.4229, 34.6252

Protanomaly

37.5037, 42.9810, 32.7051

Deuteranomaly

39.4713, 42.7500, 35.4494

Tritanomaly

36.6049, 43.3753, 49.0908

Monochromacy



Original Color

33.6450, 43.4229, 34.6252

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.6676, 40.4013, 39.6366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6450, 43.4229, 34.6252 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(137, 188, 148)` looks like.

```
.text, #text, p{  
    color:rgb(137, 188, 148)  
}
```

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(137, 188, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 188, 148) }
```

Border

The CSS property to change the border of an element to XYZ 33.6450, 43.4229, 34.6252 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(137, 188, 148) }
```


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

```
.border{ border-color:rgb(137, 188, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 188, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 188, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 188, 148);  
box-shadow:4px 4px 4px 4px rgb(137, 188,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6450, 43.4229, 34.6252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 188, 148) }
```

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

```
.background{ background-color: rgb(137,  
188, 148) }
```

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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