

Converting Colors

XYZ(33.9967, 43.9831, 37.1547)

Have a look what the booklet for
XYZ(33.9967, 43.9831, 37.1547)
contains.

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Color

**XYZ(34.0220, 43.8792,
37.2482)**

Conversions

Conversions Part 1

Format	Color
Hex	87BD9A
RGB	135, 189, 154
RGB Percent	53%, 74%, 60%
CMY	0.4706, 0.2588, 0.3961
CMYK	0.29, 0.00, 0.19, 0.26
HSL	141°, 29%, 64%
HSV	141°, 29%, 74%
XYZ	34.0220, 43.8792, 37.2482
YIQ	168.8640, -20.9490, -22.3330

Conversions

Conversions Part 2

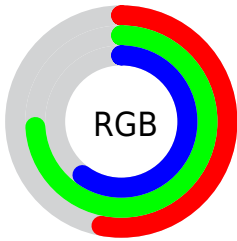
Format	Color
RYB	135, 175, 189
Decimal	8895898
CIELab	72.15, -24.93, 12.10
CIElCh	72, 27.716, 154.110
Yxy	43.8792, 0.2955, 0.3811
Android (android.graphics.Color)	4287085978 (0xFF87BD9A)
YUV	168.8640, -7.3280, -29.6987
Hunter-Lab	66.2414, -24.2437, 13.0296

Details

The XYZ color **34.0220, 43.8792, 37.2482** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.9075, 31.0501, 42.0801**, and the grayscale version is **37.6883, 39.6510, 43.1800**.

A 20% lighter version of the original color is **65.0238, 80.6777, 71.8197**, and **14.6794, 20.1462, 15.9469** is the 20% darker color. If you saturate the color by 10%, you get **30.2781, 42.0623, 32.0163**, and if you desaturate by 10%, it is **38.4122, 46.0197, 43.0559**.

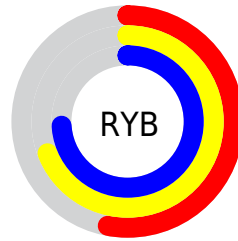
Distribution



Red (53%)

Green (74%)

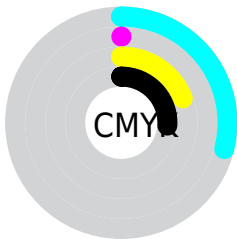
Blue (60%)



Red (53%)

Yellow (69%)

Blue (74%)

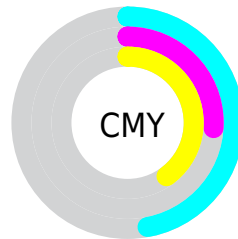


Cyan (29%)

Magenta (0%)

Yellow (19%)

Black (26%)



Cyan (47%)


Magenta (26%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0220, 43.8792, 37.2482 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 34.0220, 43.8792, 37.2482 by changing the saturation by 10% instead.


 34.0220, 43.8792,
37.2482


 34.0220, 43.8792,
37.2482


311.8143,
362.2151, 349.5848


 23.0735, 30.5756,
25.1024


 65.3119, 81.0359,
72.1449

 14.7688, 20.2759,
15.9337


 86.3841, 105.6578,
95.7330

 8.7425, 12.5957,
9.3234


 111.5614,
134.8212, 123.9722

 4.6294, 7.1508,
4.8530

141.2094,
168.9106, 157.2811

 2.0640, 3.5566,
2.1041

175.6933,
208.3102, 196.0783

 0.6695, 1.4287,
0.6182

215.3785,

 0.0000, 0.2378,

253.4046, 240.7823

0.0000

260.6304,
304.5781, 291.8116

■ 0.0000, 0.0000,
0.0000

■ 34.0220, 43.8792,
37.2482

■ 34.0220, 43.8792,
37.2482

■ 30.2781, 42.0623,
32.0163

■ 38.4122, 46.0197,
43.0559

■ 27.1454, 40.5476,
27.3395

■ 43.4747, 48.4931,
49.4533

■ 24.5906, 39.3195,
23.2002

■ 49.2382, 51.3153,
56.4575

■ 22.5756, 38.3589,
19.5786

■ 55.7287, 54.4991,
64.0843

■ 21.0577, 37.6439,
16.4539

■ 62.9708, 58.0572,
72.3485

■ 19.9870, 37.1495,
13.8035

■ 70.9880, 62.0012,
81.2647

■ 19.2832, 36.8347,
11.6021

■ 75.1302, 63.9336,
90.6281

■ 19.1966, 36.7961,
11.3223

■ 77.0100, 64.6855,
100.5268

■ 77.4884, 64.8769,
103.0461

Harmonies

Analogous

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



36.7942, 43.8792, 29.2382



34.0220, 43.8792, 37.2482



33.2487, 43.8792, 49.6749

Triad

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



34.0220, 43.8792, 37.2482



42.3634, 43.8792, 78.8787



49.7283, 43.8792, 34.5667

Complementary

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



34.0220, 43.8792, 37.2482



36.9075, 31.0501, 42.0801

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.



51.4878, 43.8792, 45.9280



34.0220, 43.8792, 37.2482



47.0363, 43.8792, 72.8514

Square

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



34.0220, 43.8792, 37.2482



37.8462, 43.8792, 75.3615



50.4674, 43.8792, 60.1235



45.8194, 43.8792, 27.9086

Rectangle

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



34.0220, 43.8792, 37.2482



33.9175, 43.8792, 59.2696



50.4674, 43.8792, 60.1235



50.6036, 43.8792, 37.8752

Sweetspot

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



34.0232, 43.8810, 37.2492



77.3080, 86.5774, 87.8827



39.1716, 46.7037, 29.8723



16.3262, 18.4721, 18.5272



90.7827, 95.5105, 104.0109



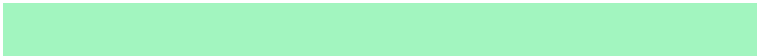
18.6292, 19.5994, 21.3438

Same Dimension

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



34.0232, 43.8810, 37.2492



56.7923, 76.5752, 60.9922



36.5209, 44.8801, 50.4021



9.5437, 10.7036, 10.8465



12.9486, 24.7697, 7.7921



0.5387, 0.9828, 0.4709

Inverse Universe

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



36.9075, 31.0501, 42.0801



62.7630, 49.9981, 70.9807



34.6170, 30.1339, 30.0189



9.7835, 9.6377, 11.2490



16.5421, 8.2480, 13.4142



0.6779, 0.3351, 0.6830

Previews

White Background



This preview shows how the XYZ color 34.0220, 43.8792, 37.2482 looks on a white background.

Color Contrast Check

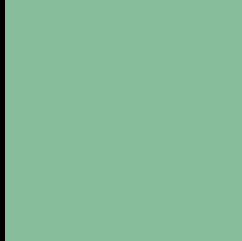
Large Text (above 18pt) WCAG AA × Fail

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 34.0220, 43.8792, 37.2482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

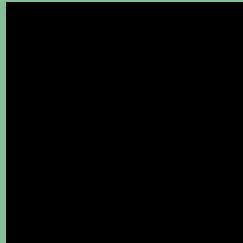
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0220, 43.8792, 37.2482

Background



This preview shows how black text looks on a background with the XYZ color 34.0220, 43.8792, 37.2482.



This preview shows how white text looks on a background with the XYZ color 34.0220, 43.8792,

37.2482.

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

34.0220, 43.8792, 37.2482

Protanopia

41.0415, 43.5964, 33.8556

Deuteranopia

44.3657, 43.4974, 38.4053



Tritanopia

38.6281, 43.8735, 59.8586

Trichromacy



Original Color

34.0220, 43.8792, 37.2482

Protanomaly

37.9652, 43.4652, 35.2428

Deuteranomaly

39.7124, 43.1087, 38.1260

Tritanomaly

36.7770, 43.7380, 50.7599

Monochromacy



Original Color

34.0220, 43.8792, 37.2482

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.1308, 40.8991, 41.1120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0220, 43.8792, 37.2482 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(135, 189, 154)` looks like.

```
.text, #text, p{  
    color:rgb(135, 189, 154)  
}
```

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(135, 189, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 189, 154) }
```

Border

The CSS property to change the border of an element to XYZ 34.0220, 43.8792, 37.2482 is called "border". The border property can be set on classes, ids or directly on the HTML element.

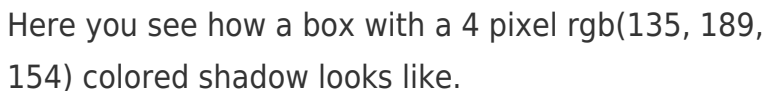
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 189, 154) }
```


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

```
.border{ border-color:rgb(135, 189, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 189, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 189, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 189, 154); box-shadow:4px 4px 4px 4px rgb(135, 189, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0220, 43.8792, 37.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 189, 154) }
```

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

```
.background{ background-color: rgb(135,  
189, 154) }
```

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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