

Converting Colors

XYZ(33.8143, 42.2024, 37.0669)

Have a look what the booklet for
XYZ(33.8143, 42.2024, 37.0669)
contains.

XYZ(33.7884, 42.1895, 36.9344)	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(33.7884, 42.1895,
36.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	8CB89A
RGB	140, 184, 154
RGB Percent	55%, 72%, 60%
CMY	0.4510, 0.2784, 0.3961
CMYK	0.24, 0.00, 0.16, 0.28
HSL	139°, 24%, 64%
HSV	139°, 24%, 72%
XYZ	33.7884, 42.1895, 36.9344
YIQ	167.4240, -16.5940, -18.6580

Conversions

Conversions Part 2

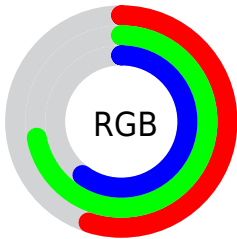
Format	Color
RYB	140, 173, 184
Decimal	9222298
CIELab	71.00, -20.81, 10.52
CIELCh	71, 23.316, 153.180
Yxy	42.1895, 0.2992, 0.3736
Android (android.graphics.Color)	4287412378 (0xFF8CB89A)
YUV	167.4240, -6.6180, -24.0508
Hunter-Lab	64.9534, -20.8139, 11.7534

Details

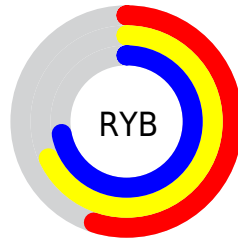
The XYZ color **33.7884, 42.1895, 36.9344** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.4023, 31.8497, 42.2609**, and the grayscale version is **36.9754, 38.9010, 42.3632**.

A 20% lighter version of the original color is **64.7934, 78.3436, 71.3814**, and **14.6843, 19.3357, 15.7902** is the 20% darker color. If you saturate the color by 10%, you get **29.9526, 40.3277, 31.5828**, and if you desaturate by 10%, it is **38.2542, 44.3658, 42.8875**.

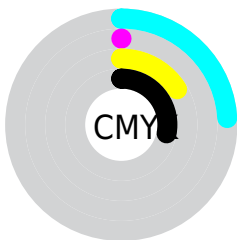
Distribution



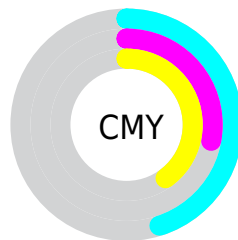
- Red (55%)
- Green (72%)
- Blue (60%)



- Red (55%)
- Yellow (68%)
- Blue (72%)



- Cyan (24%)
- Magenta (0%)
- Yellow (16%)
- Black (28%)



- Cyan (45%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7884, 42.1895, 36.9344 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 33.7884, 42.1895, 36.9344 by changing the saturation by 10% instead.

■ 33.7884, 42.1895,
36.9344

■ 33.7884, 42.1895,
36.9344

310.7900,
355.2679, 348.1866

■ 22.8932, 29.2497,
24.8613

■ 64.9510, 78.4863,
71.6571

■ 14.6349, 19.2698,
15.7557

■ 85.9490, 102.6122,
95.1438

■ 8.6482, 11.8654,
9.1990

■ 111.0454,
131.2355, 123.2720

■ 4.5677, 6.6521,
4.7726

140.6056,
164.7407, 156.4605

■ 2.0281, 3.2455,
2.0581

174.9947,
203.5121, 195.1276

■ 0.6496, 1.2612,
0.5906

214.5783,

■ 0.0000, 0.1109,

247.9342, 239.6920

0.0000

259.7216,
298.3913, 290.5721

■ 0.0000, 0.0000,
0.0000

■ 33.7884, 42.1895,
36.9344

■ 33.7884, 42.1895,
36.9344

■ 29.9526, 40.3277,
31.5828

■ 38.2542, 44.3658,
42.8875

■ 26.7143, 38.7606,
26.8110

■ 43.3738, 46.8649,
49.4571

■ 24.0431, 37.4740,
22.6002

■ 49.1737, 49.7014,
56.6614

■ 21.9045, 36.4505,
18.9294

■ 55.6783, 52.8875,
64.5170

■ 20.2603, 35.6710,
15.7765

■ 62.9104, 56.4347,
73.0396

■ 19.0664, 35.1131,
13.1176

■ 70.8919, 60.3538,
82.2447

■ 18.2706, 34.7506,
10.9267

■ 74.3817, 61.9427,
91.9008

■ 17.9190, 34.5936,
9.8089

■ 76.3298, 62.7220,
102.1594

■ 76.4313, 62.7626,
102.6938

Harmonies

Analogous

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



36.1442, 42.1895, 30.2402



33.7884, 42.1895, 36.9344



33.0858, 42.1895, 47.1359

Triad

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



33.7884, 42.1895, 36.9344



40.5162, 42.1895, 70.8161



46.6913, 42.1895, 35.1830

Complementary

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



33.7884, 42.1895, 36.9344



36.4023, 31.8497, 42.2609

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.



48.0411, 42.1895, 44.7590



33.7884, 42.1895, 36.9344



44.3341, 42.1895, 66.2989

Square

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



33.7884, 42.1895, 36.9344



36.8190, 42.1895, 67.8282



47.1520, 42.1895, 56.2956



43.5701, 42.1895, 29.3497

Rectangle

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



33.7884, 42.1895, 36.9344



33.6096, 42.1895, 54.8954



47.1520, 42.1895, 56.2956



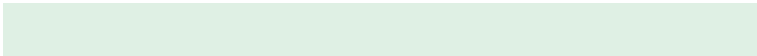
47.3760, 42.1895, 38.0108

Sweetspot

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



33.7895, 42.1913, 36.9353



75.5186, 83.4350, 85.7122



38.4676, 44.7299, 31.4176



16.1598, 17.9280, 18.3240



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.



33.7895, 42.1913, 36.9353



57.2380, 74.5299, 61.4149



35.7869, 42.9902, 47.4532



9.0049, 10.1060, 10.1834



12.3779, 23.8521, 6.9120



0.4653, 0.8524, 0.3963

Inverse Universe

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



36.4023, 31.8497, 42.2609



62.8436, 52.3326, 72.8329



34.4970, 31.0876, 32.2276



9.2560, 9.1128, 10.6957



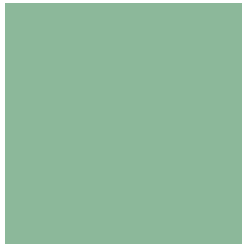
16.2279, 8.0649, 14.3530



0.5989, 0.2950, 0.6471

Previews

White Background



This preview shows how the XYZ color 33.7884, 42.1895, 36.9344 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 33.7884, 42.1895, 36.9344 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 33.7884, 42.1895, 36.9344

Background



This preview shows how black text looks on a background with the XYZ color 33.7884, 42.1895, 36.9344.



This preview shows how white text looks on a background with the XYZ color 33.7884, 42.1895,

36.9344.

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

33.7884, 42.1895, 36.9344

Protanopia

39.5803, 41.9703, 34.0320

Deuteranopia

42.7552, 41.8418, 38.1706



Tritanopia

37.7784, 42.2935, 56.6244

Trichromacy



Original Color

33.7884, 42.1895, 36.9344

Protanomaly

37.1635, 41.8618, 34.9756

Deuteranomaly

38.9339, 41.5516, 37.8665

Tritanomaly

36.1622, 42.2317, 48.8934

Monochromacy



Original Color

33.7884, 42.1895, 36.9344

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3698, 39.6639, 39.9741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7884, 42.1895, 36.9344 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(140, 184, 154)` looks like.

```
.text, #text, p{  
    color:rgb(140, 184, 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(140, 184, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 184, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.7884, 42.1895, 36.9344 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(140, 184, 154) }
```


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

```
.border{ border-color:rgb(140, 184, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 184, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 184, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 184, 154);  
box-shadow:4px 4px 4px 4px rgb(140, 184,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7884, 42.1895, 36.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 184, 154) }
```

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

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