

Converting Colors

XYZ(34.0317, 46.8048, 35.4068)

Have a look what the booklet for
XYZ(34.0317, 46.8048, 35.4068)
contains.

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Color

**XYZ(33.9968, 46.8863,
35.2751)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC694
RGB	125, 198, 148
RGB Percent	49%, 78%, 58%
CMY	0.5098, 0.2235, 0.4196
CMYK	0.37, 0.00, 0.25, 0.22
HSL	139°, 39%, 63%
HSV	139°, 37%, 78%
XYZ	33.9968, 46.8863, 35.2751
YIQ	170.4730, -27.4580, -31.0260

Conversions

Conversions Part 2

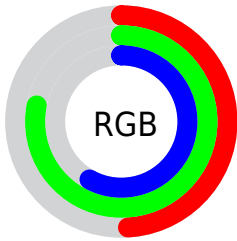
Format	Color
RYB	125, 181, 198
Decimal	8242836
CIELab	74.12, -33.51, 18.01
CIElCh	74, 38.044, 151.741
Yxy	46.8863, 0.2927, 0.4036
Android (android.graphics.Color)	4286432916 (0xFF7DC694)
YUV	170.4730, -11.0792, -39.8798
Hunter-Lab	68.4736, -31.2044, 17.3874

Details

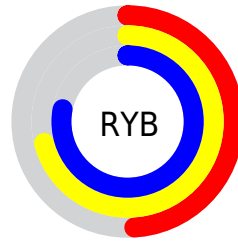
The XYZ color **33.9968, 46.8863, 35.2751** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3617, 29.7691, 44.2833**, and the grayscale version is **38.5091, 40.5146, 44.1204**.

A 20% lighter version of the original color is **65.2431, 85.4876, 68.9392**, and **14.8034, 22.1873, 14.8116** is the 20% darker color. If you saturate the color by 10%, you get **30.3781, 45.1390, 29.8270**, and if you desaturate by 10%, it is **38.3200, 48.9849, 41.4148**.

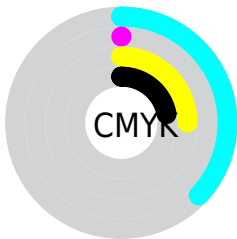
Distribution



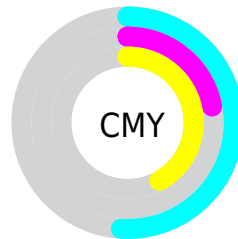
- Red (49%)
- Green (78%)
- Blue (58%)



- Red (49%)
- Yellow (71%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (25%)
- Black (22%)





- Cyan (51%)
- Magenta (22%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9968, 46.8863, 35.2751 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 33.9968, 46.8863, 35.2751 by changing the saturation by 10% instead.


 33.9968, 46.8863,
35.2751


 33.9968, 46.8863,
35.2751


311.7039,
374.3605, 340.7220


 23.0540, 32.9458,
23.5896


 65.2730, 85.5439,
69.0681

 14.7543, 22.0849,
14.8201


 86.3372, 111.0297,
92.0127

 8.7323, 13.9193,
8.5480


 111.5058,
141.1328, 119.5475

 4.6227, 8.0646,
4.3548

141.1443,
176.2375, 152.0909

 2.0601, 4.1363,
1.8219

175.6180,
216.7282, 190.0615

 0.6674, 1.7501,
0.4424

215.2923,

 0.0000, 0.4558,

262.9894, 233.8779

0.0000

260.5325,
315.4053, 283.9585

■ 0.0000, 0.0000,
0.0000

■ 33.9968, 46.8863,
35.2751

■ 33.9968, 46.8863,
35.2751

■ 30.3781, 45.1390,
29.8270

■ 38.3200, 48.9849,
41.4148

■ 27.4215, 43.7176,
25.0430

■ 43.3796, 51.4468,
48.2661

■ 25.0854, 42.6026,
20.8982

■ 49.2101, 54.2907,
55.8521

■ 23.3221, 41.7700,
17.3651

■ 55.8427, 57.5322,
64.1938

■ 22.0761, 41.1916,
14.4139

■ 63.3068, 61.1859,
73.3116

■ 21.2746, 40.8308,
12.0120

■ 71.6302, 65.2660,
83.2249

■ 21.0751, 40.7421,
11.3661

■ 77.6030, 68.1172,
93.8009

■ 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



38.0242, 46.8863, 25.3394



33.9968, 46.8863, 35.2751



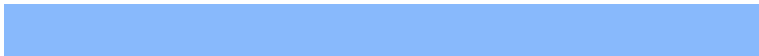
32.7154, 46.8863, 52.1992

Triad

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



33.9968, 46.8863, 35.2751



44.9631, 46.8863, 98.4570



56.6530, 46.8863, 33.7548

Complementary

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



33.9968, 46.8863, 35.2751



38.3617, 29.7691, 44.2833

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.



58.9753, 46.8863, 49.9201



33.9968, 46.8863, 35.2751



51.8137, 46.8863, 90.0450

Square

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



33.9968, 46.8863, 35.2751



38.6476, 46.8863, 91.7188



57.1213, 46.8863, 70.9439



51.0554, 46.8863, 24.6317

Rectangle

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



33.9968, 46.8863, 35.2751



33.4742, 46.8863, 66.2401



57.1213, 46.8863, 70.9439



57.8668, 46.8863, 38.3821

Sweetspot

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



33.9980, 46.8882, 35.2762



82.5323, 93.8866, 92.9672



41.8246, 51.1128, 27.0638



17.3612, 19.9472, 19.5031



0.0000, 0.0000, 0.0000



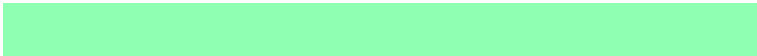
20.3446, 21.4041, 23.3091

Same Dimension

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



33.9980, 46.8882, 35.2762



55.1041, 80.5622, 54.8444



37.2419, 48.1858, 52.3582



10.6328, 11.9420, 12.0168



13.7395, 26.5082, 7.5730



0.6837, 1.2684, 0.5330

Inverse Universe

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



38.3617, 29.7691, 44.2833



63.9044, 45.9937, 72.9767



35.3278, 28.5555, 28.3070



10.9354, 10.7575, 12.6430



18.0577, 8.9726, 16.0456



0.8867, 0.4375, 0.9267

Previews

White Background



This preview shows how the XYZ color 33.9968, 46.8863, 35.2751 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 33.9968, 46.8863, 35.2751 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 33.9968, 46.8863, 35.2751

Background



This preview shows how black text looks on a background with the XYZ color 33.9968, 46.8863, 35.2751.



This preview shows how white text looks on a background with the XYZ color 33.9968, 46.8863,

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

33.9968, 46.8863, 35.2751

Protanopia

43.5056, 46.4105, 31.4761

Deuteranopia

47.1803, 46.1273, 36.5538



Tritanopia

39.8706, 46.6015, 65.2861

Trichromacy



Original Color

33.9968, 46.8863, 35.2751

Protanomaly

39.0904, 45.9588, 32.7973

Deuteranomaly

40.8795, 45.5663, 35.9188

Tritanomaly

37.4998, 46.6293, 52.9228

Monochromacy



Original Color

33.9968, 46.8863, 35.2751

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.1693, 42.1212, 40.4063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9968, 46.8863, 35.2751 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(125, 198, 148)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 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(125, 198, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 148) }
```

Border

The CSS property to change the border of an element to XYZ 33.9968, 46.8863, 35.2751 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(125, 198, 148) }
```


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

```
.border{ border-color:rgb(125, 198, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 198, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 198, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 198, 148);  
box-shadow:4px 4px 4px 4px rgb(125, 198,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9968, 46.8863, 35.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 148) }
```

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

```
.background{ background-color: rgb(125,  
198, 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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