

Converting Colors

XYZ(29.9306, 35.9909, 33.7560)

Have a look what the booklet for
XYZ(29.9306, 35.9909, 33.7560)
contains.

XYZ(29.9293, 35.8642, 33.7788)	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(29.9293, 35.8642,
33.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	89A995
RGB	137, 169, 149
RGB Percent	54%, 66%, 58%
CMY	0.4627, 0.3372, 0.4157
CMYK	0.19, 0.00, 0.12, 0.34
HSL	142°, 16%, 60%
HSV	142°, 19%, 66%
XYZ	29.9293, 35.8642, 33.7788
YIQ	157.1520, -12.6520, -13.0040

Conversions

Conversions Part 2

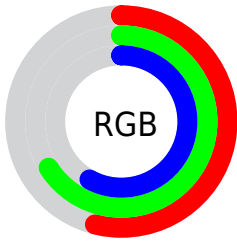
Format	Color
RYB	137, 160, 169
Decimal	9021845
CIELab	66.42, -15.08, 6.71
CIELCh	66, 16.500, 156.024
Yxy	35.8642, 0.3006, 0.3602
Android (android.graphics.Color)	4287211925 (0xFF89A995)
YUV	157.1520, -4.0189, -17.6733
Hunter-Lab	59.8867, -15.5937, 8.4785

Details

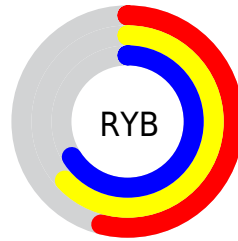
The XYZ color **29.9293, 35.8642, 33.7788** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.3949, 28.7615, 35.7967**, and the grayscale version is **32.1386, 33.8123, 36.8216**.

A 20% lighter version of the original color is **58.9210, 68.6995, 66.6548**, and **12.4964, 15.6307, 13.9137** is the 20% darker color. If you saturate the color by 10%, you get **26.5676, 34.2253, 29.4173**, and if you desaturate by 10%, it is **33.8035, 37.7605, 38.5652**.

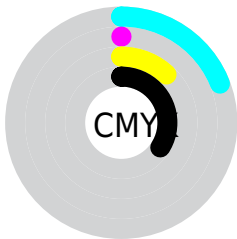
Distribution



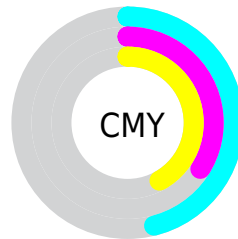
- Red (54%)
- Green (66%)
- Blue (58%)



- Red (54%)
- Yellow (63%)
- Blue (66%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (34%)





- Cyan (46%)
- Magenta (34%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9293, 35.8642, 33.7788 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 29.9293, 35.8642, 33.7788 by changing the saturation by 10% instead.

 29.9293, 35.8642,
33.7788


 29.9293, 35.8642,
33.7788


293.4905,
328.3666, 333.8836


 19.9327, 24.3293,
22.4477


 58.9377, 68.8224,
66.7195

 12.4541, 15.5781,
13.9848


 78.6803, 91.0145,
89.1662

 7.1281, 9.2261,
7.9715

 102.4023,
117.5279, 116.1552

 3.5894, 4.8890,
3.9892

130.4691,
148.7468, 148.1051

 1.4726, 2.1823,
1.6194

163.2459,
185.0558, 185.4343

 0.3071, 0.7103,
0.3046

201.0982,

 0.0000, 0.0000,

226.8391, 228.5614

0.0000

244.3913,
274.4813, 277.9050

■ 29.9293, 35.8642,
33.7788

■ 29.9293, 35.8642,
33.7788

■ 26.5676, 34.2253,
29.4173

■ 33.8035, 37.7605,
38.5652

■ 23.6932, 32.8279,
25.4666

■ 38.2079, 39.9201,
43.7851

■ 21.2833, 31.6617,
21.9155

■ 43.1632, 42.3544,
49.4502

■ 19.3120, 30.7134,
18.7511

■ 48.6880, 45.0728,
55.5706

■ 17.7505, 29.9686,
15.9601

■ 54.7999, 48.0841,
62.1565

■ 16.5668, 29.4110,
13.5283

■ 61.5158, 51.3970,
69.2175

■ 15.7234, 29.0215,
11.4402

■ 68.7403, 54.9619,
76.7578

■ 15.1507, 28.7647,
9.6784

■ 70.2091, 55.5495,
84.4925

■ 15.0963, 28.7403,
9.5091

■ 71.7684, 56.1732,
92.7034

Harmonies

Analogous

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



31.3699, 35.8642, 29.0487



29.9293, 35.8642, 33.7788



29.5789, 35.8642, 40.4950

Triad

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



29.9293, 35.8642, 33.7788



34.5887, 35.8642, 54.2010



38.0756, 35.8642, 31.5834

Complementary

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



29.9293, 35.8642, 33.7788



31.3949, 28.7615, 35.7967

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.



39.0332, 35.8642, 37.6398



29.9293, 35.8642, 33.7788



36.9584, 35.8642, 51.1179

Square

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



29.9293, 35.8642, 33.7788



32.1938, 35.8642, 52.8453



38.6148, 35.8642, 44.8429



36.0547, 35.8642, 27.8924

Rectangle

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



29.9293, 35.8642, 33.7788



29.9951, 35.8642, 45.3278



38.6148, 35.8642, 44.8429



38.5369, 35.8642, 33.3804

Sweetspot

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



29.9303, 35.8657, 33.7796



62.6703, 68.6688, 71.6293



32.6613, 37.3787, 29.1608



13.5571, 14.9167, 15.4896



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.9303, 35.8657, 33.7796



50.7950, 62.8605, 56.9056



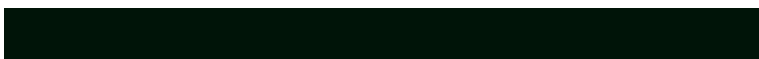
31.2729, 36.4028, 40.8499



7.5488, 8.4525, 8.6099



11.2749, 21.4287, 7.2142



0.2992, 0.5313, 0.3064

Inverse Universe

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



31.3949, 28.7615, 35.7967



53.9365, 47.6191, 61.2295



30.1365, 28.2582, 29.1701



7.7208, 7.6182, 8.8470



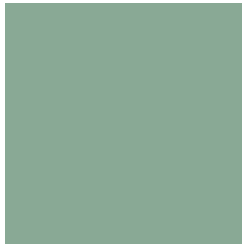
14.1458, 7.0670, 10.8452



0.3677, 0.1814, 0.3880

Previews

White Background



This preview shows how the XYZ color 29.9293, 35.8642, 33.7788 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 29.9293, 35.8642, 33.7788 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 29.9293, 35.8642, 33.7788

Background



This preview shows how black text looks on a background with the XYZ color 29.9293, 35.8642, 33.7788.



This preview shows how white text looks on a background with the XYZ color 29.9293, 35.8642,

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

29.9293, 35.8642, 33.7788

Protanopia

34.0042, 35.8589, 31.9173

Deuteranopia

36.3784, 35.7472, 34.6883



Tritanopia

32.6463, 35.8754, 47.3235

Trichromacy



Original Color

29.9293, 35.8642, 33.7788

Protanomaly

32.3684, 35.7943, 32.3971

Deuteranomaly

33.6406, 35.6166, 34.3798

Tritanomaly

31.4265, 35.6379, 41.7817

Monochromacy



Original Color

29.9293, 35.8642, 33.7788

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.1553, 34.3069, 35.5517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9293, 35.8642, 33.7788 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, 169, 149)` looks like.

```
.text, #text, p{  
    color:rgb(137, 169, 149)  
}
```

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, 169, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 169, 149) }
```

Border

The CSS property to change the border of an element to XYZ 29.9293, 35.8642, 33.7788 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, 169, 149) }
```


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

```
.border{ border-color:rgb(137, 169, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 169, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 169, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 169, 149);  
box-shadow:4px 4px 4px 4px rgb(137, 169,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9293, 35.8642, 33.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 169, 149) }
```

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

```
.background{ background-color: rgb(137,  
169, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor