

Converting Colors

XYZ(28.0209, 33.0412, 28.8910)

Have a look what the booklet for
XYZ(28.0209, 33.0412, 28.8910)
contains.

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Color

**XYZ(27.9890, 33.0789,
28.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA28A
RGB	138, 162, 138
RGB Percent	54%, 64%, 54%
CMY	0.4588, 0.3647, 0.4588
CMYK	0.15, 0.00, 0.15, 0.36
HSL	120°, 11%, 59%
HSV	120°, 15%, 64%
XYZ	27.9890, 33.0789, 28.9544
YIQ	152.0880, -6.6000, -12.5520

Conversions

Conversions Part 2

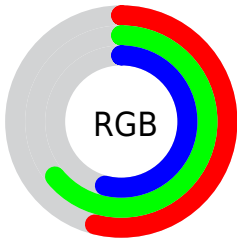
Format	Color
RYB	138, 162, 162
Decimal	9085578
CIELab	64.22, -13.15, 9.71
CIELCh	64, 16.342, 143.562
Yxy	33.0789, 0.3109, 0.3675
Android (android.graphics.Color)	4287275658 (0xFF8AA28A)
YUV	152.0880, -6.9454, -12.3552
Hunter-Lab	57.5143, -13.7839, 10.4116

Details

The XYZ color **27.9890, 33.0789, 28.9544** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **30.5115, 28.4678, 38.0707**, and the grayscale version is **29.9148, 31.4727, 34.2738**.

A 20% lighter version of the original color is **55.9551, 64.5938, 58.8089**, and **11.3619, 13.9311, 11.3227** is the 20% darker color. If you saturate the color by 10%, you get **24.4193, 31.3652, 23.1148**, and if you desaturate by 10%, it is **32.1353, 35.0716, 35.7357**.

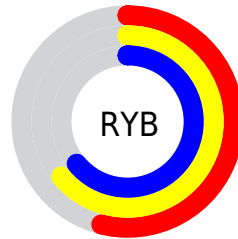
Distribution



Red (54%)

Green (64%)

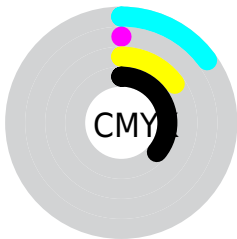
Blue (54%)



Red (54%)

Yellow (64%)

Blue (64%)

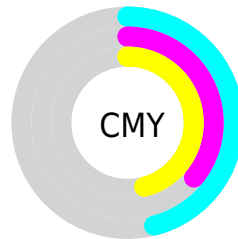


Cyan (15%)

Magenta (0%)

Yellow (15%)

Black (36%)



Cyan (46%)

Magenta (36%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9890, 33.0789, 28.9544 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 27.9890, 33.0789, 28.9544 by changing the saturation by 10% instead.

■ 27.9890, 33.0789,
28.9544

■ 27.9890, 33.0789,
28.9544

284.4954,
316.0051, 311.0539

■ 18.4578, 22.1869,
18.8010

■ 55.8756, 64.4987,
59.0459

■ 11.3808, 13.9943,
11.3513

■ 74.9618, 85.7953,
79.8212

■ 6.3928, 8.1167,
6.1865

■ 97.9636, 111.3288,
104.9742

■ 3.1283, 4.1697,
2.8882

125.2465,
141.4838, 134.9235

■ 1.2219, 1.7689,
1.0378

157.1757,
176.6445, 170.0875

■ 0.1236, 0.4677,
0.0000

194.1167,

■ 0.0000, 0.0000,

217.1953, 210.8849

0.0000

236.4348,
263.5207, 257.7342

■ 27.9890, 33.0789,
28.9544

■ 27.9890, 33.0789,
28.9544

■ 24.4193, 31.3652,
23.1148

■ 32.1353, 35.0716,
35.7357

■ 21.3982, 29.9140,
18.1732

■ 36.8793, 37.3503,
43.4953

■ 18.8993, 28.7136,
14.0858

■ 42.2443, 39.9274,
52.2708

■ 16.8930, 27.7499,
10.8041

■ 48.2517, 42.8131,
62.0969

■ 15.3468, 27.0072,
8.2750

■ 54.9217, 46.0170,
73.0069

■ 14.2242, 26.4679,
6.4387

■ 62.2737, 49.5486,
85.0324

■ 13.4832, 26.1120,
5.2267

■ 70.3263, 53.4167,
98.2038

■ 13.0721, 25.9145,
4.5542

■ 72.2110, 54.3219,
101.2870

■ 12.9210, 25.8419,
4.3070

Harmonies

Analogous

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



29.6921, 33.0789, 25.5370



27.9890, 33.0789, 28.9544



27.2158, 33.0789, 34.6047

Triad

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



27.9890, 33.0789, 28.9544



30.9433, 33.0789, 50.2506



35.7060, 33.0789, 31.1514

Complementary

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



27.9890, 33.0789, 28.9544



30.5115, 28.4678, 38.0707

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.



36.0812, 33.0789, 37.4678



27.9890, 33.0789, 28.9544



33.2562, 33.0789, 49.0322

Square

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



27.9890, 33.0789, 28.9544



28.8665, 33.0789, 47.2948



35.1647, 33.0789, 44.1444



34.1631, 33.0789, 26.6922

Rectangle

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



27.9890, 33.0789, 28.9544



27.3032, 33.0789, 39.0946



35.1647, 33.0789, 44.1444



35.9759, 33.0789, 33.1059

Sweetspot

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



27.9899, 33.0803, 28.9551



58.9363, 63.9551, 65.8533



32.4095, 35.3587, 29.1619



13.1044, 14.3004, 14.5738



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.9899, 33.0803, 28.9551



48.4087, 58.8982, 48.6336



28.9076, 33.4474, 33.7875



6.9856, 7.8950, 7.5358



10.1790, 20.3579, 3.3930



0.2139, 0.4278, 0.0713

Inverse Universe

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



30.5115, 28.4678, 38.0707



53.9399, 48.7806, 68.6285



29.4949, 28.0611, 32.7169



7.3644, 7.2022, 8.9051



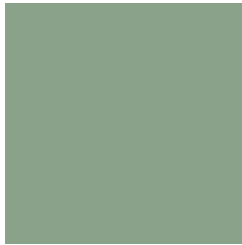
16.8766, 8.1067, 27.6045



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 27.9890, 33.0789, 28.9544 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 27.9890, 33.0789, 28.9544 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

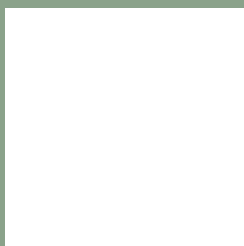
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9890, 33.0789, 28.9544

Background



This preview shows how black text looks on a background with the XYZ color 27.9890, 33.0789, 28.9544.



This preview shows how white text looks on a background with the XYZ color 27.9890, 33.0789,

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

27.9890, 33.0789, 28.9544

Protanopia

31.1287, 32.9505, 27.2737

Deuteranopia

33.6186, 32.9659, 29.7905



Tritanopia

30.6404, 32.8559, 42.7571

Trichromacy



Original Color

27.9890, 33.0789, 28.9544

Protanomaly

29.9265, 33.0730, 27.7281

Deuteranomaly

31.1895, 32.6860, 29.4761

Tritanomaly

29.5542, 32.9276, 37.1457

Monochromacy



Original Color

27.9890, 33.0789, 28.9544

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.1875, 32.0866, 32.2587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9890, 33.0789, 28.9544 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(138, 162, 138)` looks like.

```
.text, #text, p{  
    color:rgb(138, 162, 138)  
}
```

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(138, 162, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 162, 138) }
```

Border

The CSS property to change the border of an element to XYZ 27.9890, 33.0789, 28.9544 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(138, 162, 138) }
```


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

```
.border{ border-color:rgb(138, 162, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 162, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 162, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 162, 138);  
box-shadow:4px 4px 4px 4px rgb(138, 162,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9890, 33.0789, 28.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 162, 138) }
```

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

```
.background{ background-color: rgb(138,  
162, 138) }
```

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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