

Converting Colors

XYZ(27.7797, 34.8467, 30.7049)

Have a look what the booklet for
XYZ(27.7797, 34.8467, 30.7049)
contains.

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Color

**XYZ(27.8228, 34.8410,
30.8497)**

Conversions

Conversions Part 1

Format	Color
Hex	7FA98E
RGB	127, 169, 142
RGB Percent	50%, 66%, 56%
CMY	0.5020, 0.3372, 0.4431
CMYK	0.25, 0.00, 0.16, 0.34
HSL	141°, 20%, 58%
HSV	141°, 25%, 66%
XYZ	27.8228, 34.8410, 30.8497
YIQ	153.3640, -16.3650, -17.3010

Conversions

Conversions Part 2

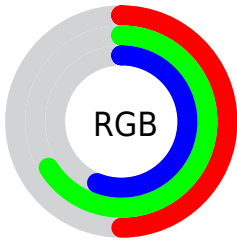
Format	Color
RYB	127, 158, 169
Decimal	8366478
CIELab	65.62, -19.84, 9.37
CIELCh	66, 21.944, 154.714
Yxy	34.8410, 0.2975, 0.3726
Android (android.graphics.Color)	4286556558 (0xFF7FA98E)
YUV	153.3640, -5.6025, -23.1212
Hunter-Lab	59.0263, -19.1577, 10.3308

Details

The XYZ color **27.8228, 34.8410, 30.8497** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.7855, 25.9476, 34.0118**, and the grayscale version is **30.4664, 32.0530, 34.9058**.

A 20% lighter version of the original color is **55.4419, 67.0001, 62.2348**, and **11.3536, 15.0731, 12.4362** is the 20% darker color. If you saturate the color by 10%, you get **24.7376, 33.3412, 26.6530**, and if you desaturate by 10%, it is **31.4117, 36.5932, 35.4866**.

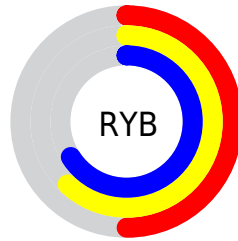
Distribution



Red (50%)

Green (66%)

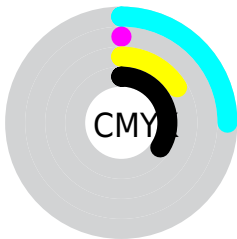
Blue (56%)



Red (50%)

Yellow (62%)

Blue (66%)

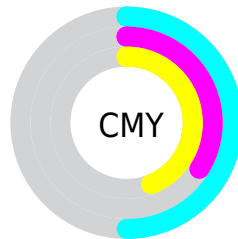


Cyan (25%)

Magenta (0%)

Yellow (16%)

Black (34%)



Cyan (50%)

Magenta (34%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8228, 34.8410, 30.8497 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 27.8228, 34.8410, 30.8497 by changing the saturation by 10% instead.

■ 27.8228, 34.8410,
30.8497

■ 27.8228, 34.8410,
30.8497

283.7147,
323.8660, 320.1750

■ 18.3319, 23.5404,
20.2269

■ 55.6120, 67.2394,
62.0802

■ 11.2897, 14.9931,
12.3744

■ 74.6411, 89.1060,
83.5249

■ 6.3307, 8.8145,
6.8736

■ 97.5802, 115.2633,
109.4141

■ 3.0898, 4.6204,
3.3059

124.7948,
146.0959, 140.1662

■ 1.2014, 2.0263,
1.2529

156.6502,
181.9881, 176.1998

■ 0.1075, 0.6227,
0.0227

193.5117,

■ 0.0000, 0.0000,

223.3242, 217.9335

0.0000

235.7448,
270.4887, 265.7857

■ 27.8228, 34.8410,
30.8497

■ 27.8228, 34.8410,
30.8497

■ 24.7376, 33.3412,
26.6530

■ 31.4117, 36.5932,
35.4866

■ 22.1298, 32.0776,
22.8811

■ 35.5232, 38.6044,
40.5737

■ 19.9753, 31.0391,
19.5215

■ 40.1786, 40.8864,
46.1237

■ 18.2464, 30.2115,
16.5597

■ 45.3973, 43.4488,
52.1478

■ 16.9122, 29.5794,
13.9807

■ 51.1977, 46.3009,
58.6573

■ 15.9374, 29.1249,
11.7682

■ 57.5973, 49.4516,
65.6626

■ 15.2794, 28.8262,
9.9049

■ 64.6128, 52.9092,
73.1741

■ 15.0137, 28.7074,
9.0743

■ 69.5603, 55.2900,
81.0754

■ 71.1248, 55.9158,
89.3141

Harmonies

Analogous

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



29.7106, 34.8410, 25.1387



27.8228, 34.8410, 30.8497



27.3160, 34.8410, 39.4130

Triad

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



27.8228, 34.8410, 30.8497



33.6271, 34.8410, 58.5121



38.4743, 34.8410, 28.7010

Complementary

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



27.8228, 34.8410, 30.8497



29.7855, 25.9476, 34.0118

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.



39.6824, 34.8410, 36.4963



27.8228, 34.8410, 30.8497



36.7707, 34.8410, 54.4724

Square

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



27.8228, 34.8410, 30.8497



30.5385, 34.8410, 56.3496



39.0398, 34.8410, 46.0318



35.8331, 34.8410, 24.0465

Rectangle

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



27.8228, 34.8410, 30.8497



27.7995, 34.8410, 45.8492



39.0398, 34.8410, 46.0318



39.0690, 34.8410, 30.9899

Sweetspot

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



27.8237, 34.8425, 30.8505



61.8598, 68.2747, 70.5199



31.4036, 36.8094, 25.5287



13.3907, 14.8358, 15.2574



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.



27.8237, 34.8425, 30.8505



46.5796, 60.8163, 50.8816



29.5255, 35.5231, 39.8116



7.5433, 8.4504, 8.5812



11.2127, 21.4038, 6.8868



0.2972, 0.5305, 0.2959

Inverse Universe

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



29.7855, 25.9476, 34.0118



50.7202, 42.0330, 57.5479



28.2069, 25.3161, 25.6994



7.7265, 7.6204, 8.8767



14.2639, 7.1143, 11.4671



0.3701, 0.1823, 0.4003

Previews

White Background



This preview shows how the XYZ color 27.8228, 34.8410, 30.8497 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 27.8228, 34.8410, 30.8497 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

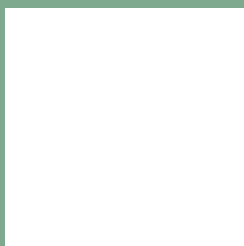
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8228, 34.8410, 30.8497

Background



This preview shows how black text looks on a background with the XYZ color 27.8228, 34.8410, 30.8497.



This preview shows how white text looks on a background with the XYZ color 27.8228, 34.8410,

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

27.8228, 34.8410, 30.8497

Protanopia

32.6786, 34.4754, 28.5990

Deuteranopia

35.0925, 34.4105, 31.5804



Tritanopia

31.0428, 34.7936, 46.6747

Trichromacy



Original Color

27.8228, 34.8410, 30.8497

Protanomaly

30.5294, 34.3801, 29.4531

Deuteranomaly

31.9294, 34.2835, 31.3201

Tritanomaly

29.6971, 34.7781, 40.2696

Monochromacy



Original Color

27.8228, 34.8410, 30.8497

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.3246, 32.8955, 33.2377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8228, 34.8410, 30.8497 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(127, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(127, 169, 142)  
}
```

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(127, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 169, 142) }
```

Border

The CSS property to change the border of an element to XYZ 27.8228, 34.8410, 30.8497 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(127, 169, 142) }
```


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

```
.border{ border-color:rgb(127, 169, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 169, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 169, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 169, 142); box-shadow:4px 4px 4px 4px rgb(127, 169, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8228, 34.8410, 30.8497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 169, 142) }
```

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

```
.background{ background-color: rgb(127,  
169, 142) }
```

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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