

Converting Colors

XYZ(27.9005, 34.8050, 27.8960)

Have a look what the booklet for
XYZ(27.9005, 34.8050, 27.8960)
contains.

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Color

**XYZ(27.8214, 34.6320,
27.7726)**

Conversions

Conversions Part 1

Format	Color
Hex	84A886
RGB	132, 168, 134
RGB Percent	52%, 66%, 53%
CMY	0.4823, 0.3412, 0.4745
CMYK	0.21, 0.00, 0.20, 0.34
HSL	123°, 17%, 59%
HSV	123°, 21%, 66%
XYZ	27.8214, 34.6320, 27.7726
YIQ	153.3600, -10.5420, -18.2060

Conversions

Conversions Part 2

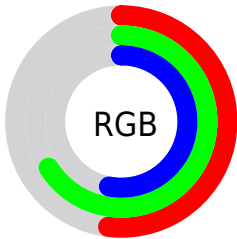
Format	Color
RYB	132, 166, 168
Decimal	8693894
CIELab	65.46, -19.14, 13.61
CIELCh	65, 23.488, 144.582
Yxy	34.6320, 0.3084, 0.3838
Android (android.graphics.Color)	4286883974 (0xFF84A886)
YUV	153.3600, -9.5445, -18.7327
Hunter-Lab	58.8490, -18.5981, 13.2135

Details

The XYZ color **27.8214, 34.6320, 27.7726** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.2838, 27.5812, 39.7526**, and the grayscale version is **30.4795, 32.0668, 34.9207**.

A 20% lighter version of the original color is **55.6070, 66.8023, 56.9770**, and **11.3253, 14.9247, 10.6714** is the 20% darker color. If you saturate the color by 10%, you get **24.3780, 32.9763, 22.2618**, and if you desaturate by 10%, it is **31.8559, 36.5752, 34.1793**.

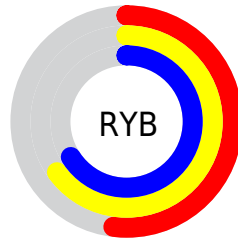
Distribution



Red (52%)

Green (66%)

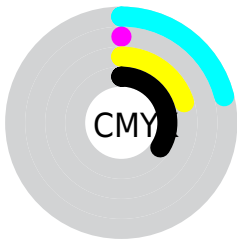
Blue (53%)



Red (52%)

Yellow (65%)

Blue (66%)

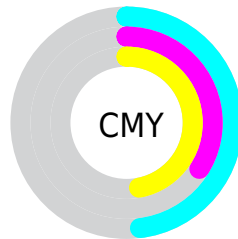


Cyan (21%)

Magenta (0%)

Yellow (20%)

Black (34%)



Cyan (48%)

Magenta (34%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8214, 34.6320, 27.7726 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 27.8214, 34.6320, 27.7726 by changing the saturation by 10% instead.

■ 27.8214, 34.6320,
27.7726

■ 27.8214, 34.6320,
27.7726

283.7081,
322.9410, 305.2564

■ 18.3308, 23.3795,
17.9168

■ 55.6098, 66.9153,
57.1399

■ 11.2889, 14.8740,
10.7214

■ 74.6384, 88.7149,
77.4885

■ 6.3302, 8.7310,
5.7680

■ 97.5770, 114.7990,
102.1717

■ 3.0895, 4.5661,
2.6380

124.7910,
145.5520, 131.6081

■ 1.2012, 1.9950,
0.9120

156.6457,
181.3583, 166.2162

■ 0.1074, 0.6046,
0.0000

193.5066,

■ 0.0000, 0.0000,

222.6023, 206.4146

0.0000

235.7389,
269.6684, 252.6218

■ 27.8214, 34.6320,
27.7726

■ 27.8214, 34.6320,
27.7726

■ 24.3780, 32.9763,
22.2618

■ 31.8559, 36.5752,
34.1793

■ 21.4952, 31.5902,
17.6048

■ 36.5044, 38.8140,
41.5169

■ 19.1442, 30.4609,
13.7597


■ 41.7921, 41.3616,
49.8214


■ 17.2925, 29.5726,
10.6799


■ 47.7420, 44.2291,
59.1260

■ 15.9038, 28.9076,
8.3144


■ 54.3758, 47.4271,
69.4625


 14.9373, 28.4462,
6.6056

 61.7143, 50.9655,
80.8612

 14.3446, 28.1648,
5.4875

 69.7775, 54.8541,
93.3513

 14.0545, 28.0271,
4.9371

 73.2933, 56.4866,
101.6478

Harmonies

Analogous

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



30.2444, 34.6320, 22.9881



27.8214, 34.6320, 27.7726



26.7686, 34.6320, 35.9501

Triad

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



27.8214, 34.6320, 27.7726



32.2969, 34.6320, 59.8523



39.2967, 34.6320, 30.3731

Complementary

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



27.8214, 34.6320, 27.7726



31.2838, 27.5812, 39.7526

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.



39.9407, 34.6320, 39.5230



27.8214, 34.6320, 27.7726



35.7419, 34.6320, 57.6614

Square

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



27.8214, 34.6320, 27.7726



29.2348, 34.6320, 55.3228



38.5989, 34.6320, 49.7694



36.8953, 34.6320, 24.2964

Rectangle

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



27.8214, 34.6320, 27.7726



26.9286, 34.6320, 42.6748



38.5989, 34.6320, 49.7694



39.7326, 34.6320, 33.1430

Sweetspot

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



27.8223, 34.6335, 27.7734



62.1499, 68.4607, 68.8888



33.9368, 37.8016, 27.3378



13.4331, 14.8671, 14.8365



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.



27.8223, 34.6335, 27.7734



47.2001, 61.2637, 45.1501



29.1705, 35.1727, 34.8725



7.4530, 8.4143, 8.1058



10.6193, 21.1665, 3.7619



0.2635, 0.5170, 0.1185

Inverse Universe

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



31.2838, 27.5812, 39.7526



54.6855, 46.0114, 71.0537



29.7619, 26.9725, 31.7385



7.8236, 7.6593, 9.3885



16.9048, 8.1706, 25.3738



0.4165, 0.2009, 0.6449

Previews

White Background



This preview shows how the XYZ color 27.8214, 34.6320, 27.7726 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 27.8214, 34.6320, 27.7726 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 27.8214, 34.6320, 27.7726

Background



This preview shows how black text looks on a background with the XYZ color 27.8214, 34.6320, 27.7726.



This preview shows how white text looks on a background with the XYZ color 27.8214, 34.6320,

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

27.8214, 34.6320, 27.7726

Protanopia

32.3378, 34.3635, 25.6973

Deuteranopia

34.9626, 34.4124, 28.4664



Tritanopia

31.3057, 34.4248, 45.5521

Trichromacy



Original Color

27.8214, 34.6320, 27.7726

Protanomaly

30.5346, 34.4479, 26.5125

Deuteranomaly

31.7751, 34.0178, 28.1839

Tritanomaly

29.7740, 34.3232, 38.3135

Monochromacy



Original Color

27.8214, 34.6320, 27.7726

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.0922, 32.5488, 31.9433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8214, 34.6320, 27.7726 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(132, 168, 134)` looks like.

```
.text, #text, p{  
    color:rgb(132, 168, 134)  
}
```

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(132, 168, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 168, 134) }
```

Border

The CSS property to change the border of an element to XYZ 27.8214, 34.6320, 27.7726 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(132, 168, 134) }
```


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

```
.border{ border-color:rgb(132, 168, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 168, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 168, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 168, 134);  
box-shadow:4px 4px 4px 4px rgb(132, 168,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8214, 34.6320, 27.7726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 168, 134) }
```

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

```
.background{ background-color: rgb(132,  
168, 134) }
```

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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