

Converting Colors

XYZ(29.3369, 34.5901, 37.2933)

Have a look what the booklet for
XYZ(29.3369, 34.5901, 37.2933)
contains.

XYZ(29.4806, 34.7276, 37.4971)	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(29.4806, 34.7276,
37.4971)**

Conversions

Conversions Part 1

Format	Color
Hex	85A69E
RGB	133, 166, 158
RGB Percent	52%, 65%, 62%
CMY	0.4784, 0.3490, 0.3804
CMYK	0.20, 0.00, 0.05, 0.35
HSL	165°, 16%, 59%
HSV	165°, 20%, 65%
XYZ	29.4806, 34.7276, 37.4971
YIQ	155.2210, -17.1000, -9.4840

Conversions

Conversions Part 2

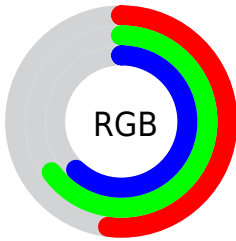
Format	Color
RYB	133, 152, 166
Decimal	8758942
CIELab	65.54, -12.99, 0.39
CIELCh	66, 12.998, 178.272
Yxy	34.7276, 0.2899, 0.3415
Android (android.graphics.Color)	4286949022 (0xFF85A69E)
YUV	155.2210, 1.3700, -19.4878
Hunter-Lab	58.9301, -13.8307, 3.5250

Details

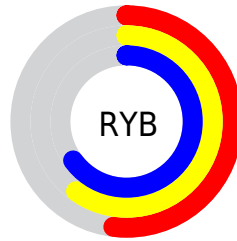
The XYZ color **29.4806, 34.7276, 37.4971** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.9223, 26.8059, 28.8503**, and the grayscale version is **31.2539, 32.8815, 35.8080**.

A 20% lighter version of the original color is **58.3602, 67.0818, 72.8230**, and **12.2384, 14.9352, 16.1477** is the 20% darker color. If you saturate the color by 10%, you get **26.7235, 33.3466, 35.5895**, and if you desaturate by 10%, it is **32.6653, 36.3296, 39.4854**.

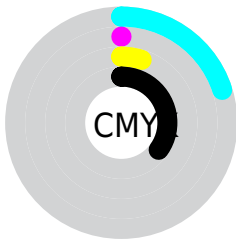
Distribution



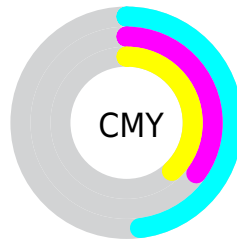
- Red (52%)
- Green (65%)
- Blue (62%)



- Red (52%)
- Yellow (60%)
- Blue (65%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (35%)



- Cyan (48%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4806, 34.7276, 37.4971 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 29.4806, 34.7276, 37.4971 by changing the saturation by 10% instead.

■ 29.4806, 34.7276,
37.4971

■ 29.4806, 34.7276,
37.4971

291.4293,
323.3643, 350.6910

■ 19.5908, 23.4531,
25.2938

■ 58.2321, 67.0636,
72.5315

■ 12.2045, 14.9284,
16.0751

■ 77.8245, 88.8938,
96.1997

■ 6.9563, 8.7692,
9.4224

■ 101.3818,
115.0115, 124.5266

■ 3.4809, 4.5909,
4.9171

129.2693,
145.8009, 157.9308

■ 1.4129, 2.0093,
2.1408

161.8525,
181.6465, 196.8308

■ 0.2654, 0.6129,
0.6399

199.4967,

■ 0.0000, 0.0000,

222.9327, 241.6452

0.0000

242.5672,
270.0438, 292.7924

■ 29.4806, 34.7276,
37.4971

■ 29.4806, 34.7276,
37.4971

■ 26.7235, 33.3466,
35.5895

■ 32.6653, 36.3296,
39.4854

■ 24.3714, 32.1721,
33.7588

■ 36.2928, 38.1576,
41.5536

■ 22.4044, 31.1949,
32.0043

■ 40.3813, 40.2220,
43.7036

■ 20.7993, 30.4029,
30.3242

■ 44.9470, 42.5310,
45.9369

■ 19.5307, 29.7832,
28.7169

■ 50.0053, 45.0926,
48.2546

■ 18.5696, 29.3207,
27.1803

■ 55.5710, 47.9144,
50.6580

■ 17.8820, 28.9981,
25.7123

■ 61.6582, 51.0036,
53.1483

■ 17.3923, 28.7762,
24.3088

■ 64.1933, 52.2603,
55.5353

■ 17.3868, 28.7737,
24.2923

■ 64.6401, 52.4390,
57.8880

Harmonies

Analogous

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



29.9895, 34.7276, 32.5606



29.4806, 34.7276, 37.4971



29.8861, 34.7276, 43.0012

Triad

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



29.4806, 34.7276, 37.4971



34.7728, 34.7276, 47.8223



34.9712, 34.7276, 29.5746

Complementary

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



29.4806, 34.7276, 37.4971



28.9223, 26.8059, 28.8503

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.



36.3391, 34.7276, 33.0589



29.4806, 34.7276, 37.4971



36.2215, 34.7276, 43.6007

Square

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



29.4806, 34.7276, 37.4971



32.8972, 34.7276, 49.2949



36.8051, 34.7276, 38.1296



33.1181, 34.7276, 28.2678

Rectangle

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



29.4806, 34.7276, 37.4971



30.6295, 34.7276, 46.1927



36.8051, 34.7276, 38.1296



35.5056, 34.7276, 30.5125

Sweetspot

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



29.4816, 34.7290, 37.4979



61.6666, 67.1327, 73.0563



28.8980, 34.6520, 27.3562



13.7104, 14.9780, 16.2969



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.



29.4816, 34.7290, 37.4979



51.1249, 61.8335, 66.4531



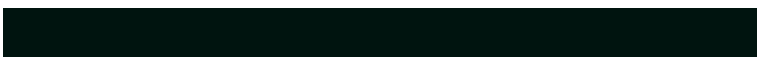
28.7411, 32.1095, 40.7610



7.6686, 8.5005, 9.2411



13.5010, 22.3191, 18.9368



0.3468, 0.5503, 0.5570

Inverse Universe

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



28.9223, 26.8059, 28.8503



49.9176, 44.7144, 47.7745



29.5224, 28.9250, 26.2178



7.6029, 7.5710, 8.2262



12.5110, 6.4131, 2.2365



0.3238, 0.1638, 0.1566

Previews

White Background



This preview shows how the XYZ color 29.4806, 34.7276, 37.4971 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 29.4806, 34.7276, 37.4971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

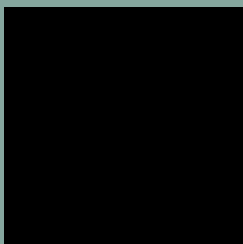
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

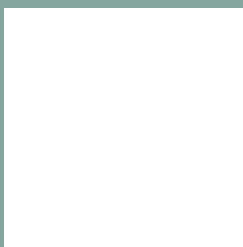
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4806, 34.7276, 37.4971

Background



This preview shows how black text looks on a background with the XYZ color 29.4806, 34.7276, 37.4971.



This preview shows how white text looks on a background with the XYZ color 29.4806, 34.7276,

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

29.4806, 34.7276, 37.4971

Protanopia

33.1639, 34.5733, 35.4972

Deuteranopia

35.2222, 34.5686, 38.5342



Tritanopia

31.2502, 34.6473, 46.1148

Trichromacy



Original Color

29.4806, 34.7276, 37.4971

Protanomaly

31.6102, 34.5317, 36.0096

Deuteranomaly

32.6726, 34.2609, 38.1487

Tritanomaly

30.5902, 34.6497, 42.6119

Monochromacy



Original Color

29.4806, 34.7276, 37.4971

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.4315, 33.3996, 36.2953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4806, 34.7276, 37.4971 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(133, 166, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 166, 158)  
}
```

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(133, 166, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 166, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.4806, 34.7276, 37.4971 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(133, 166, 158) }
```


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

```
.border{ border-color:rgb(133, 166, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 166, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 166, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 166, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 166,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4806, 34.7276, 37.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 166, 158) }
```

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

```
.background{ background-color: rgb(133,  
166, 158) }
```

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