

Converting Colors

XYZ(27.7306, 34.9726, 36.7359)

Have a look what the booklet for
XYZ(27.7306, 34.9726, 36.7359)
contains.

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Color

**XYZ(27.7116, 34.9317,
36.7344)**

Conversions

Conversions Part 1

Format	Color
Hex	75AA9C
RGB	117, 170, 156
RGB Percent	46%, 67%, 61%
CMY	0.5412, 0.3333, 0.3882
CMYK	0.31, 0.00, 0.08, 0.33
HSL	164°, 24%, 56%
HSV	164°, 31%, 67%
XYZ	27.7116, 34.9317, 36.7344
YIQ	152.5570, -27.0940, -15.5900

Conversions

Conversions Part 2

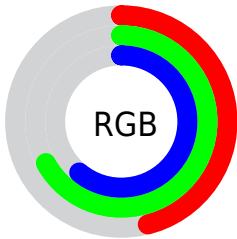
Format	Color
RYB	117, 148, 170
Decimal	7711388
CIELab	65.70, -20.59, 1.62
CIElCh	66, 20.653, 175.491
Yxy	34.9317, 0.2789, 0.3515
Android (android.graphics.Color)	4285901468 (0xFF75AA9C)
YUV	152.5570, 1.6974, -31.1835
Hunter-Lab	59.1030, -19.7372, 4.5215

Details

The XYZ color **27.7116, 34.9317, 36.7344** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.0368, 22.9082, 24.4709**, and the grayscale version is **30.0880, 31.6549, 34.4722**.

A 20% lighter version of the original color is **55.3527, 67.1615, 71.0188**, and **11.2750, 15.1350, 15.6917** is the 20% darker color. If you saturate the color by 10%, you get **25.2585, 33.7111, 34.6714**, and if you desaturate by 10%, it is **30.5956, 36.3746, 38.8925**.

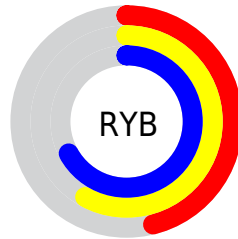
Distribution



Red (46%)

Green (67%)

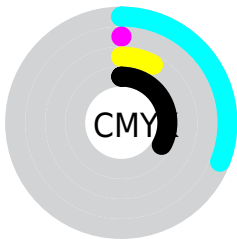
Blue (61%)



Red (46%)

Yellow (58%)

Blue (67%)

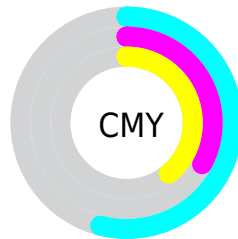


Cyan (31%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (54%)

Magenta (33%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7116, 34.9317, 36.7344 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 27.7116, 34.9317, 36.7344 by changing the saturation by 10% instead.

■ 27.7116, 34.9317,
36.7344

■ 27.7116, 34.9317,
36.7344

283.1914,
324.2668, 347.2932

■ 18.2477, 23.6103,
24.7077

■ 55.4355, 67.3799,
71.3459

■ 11.2287, 15.0448,
15.6424

■ 74.4263, 89.2756,
94.7677

■ 6.2893, 8.8508,
9.1199

■ 97.3234, 115.4647,
122.8251

■ 3.0641, 4.6440,
4.7216

124.4922,
146.3317, 155.9365

■ 1.1878, 2.0399,
2.0290

156.2980,
182.2610, 194.5205

■ 0.0967, 0.6305,
0.5730

193.1063,

■ 0.0000, 0.0000,

223.6370, 238.9955

0.0000

235.2823,
270.8442, 289.7803

■ 27.7116, 34.9317,
36.7344

■ 27.7116, 34.9317,
36.7344

■ 25.2585, 33.7111,
34.6714

■ 30.5956, 36.3746,
38.8925

■ 23.2107, 32.6970,
32.6993

■ 33.9284, 38.0463,
41.1450

■ 21.5444, 31.8779,
30.8169


■ 37.7305, 39.9583,
43.4944


■ 20.2321, 31.2398,
29.0221


■ 42.0204, 42.1201,
45.9424

■ 19.2424, 30.7664,
27.3126


■ 46.8153, 44.5406,
48.4904


 18.5384, 30.4387,
25.6858

 52.1319, 47.2282,
51.1400

 18.0829, 30.2337,
24.3152

 57.9857, 50.1911,
53.8926

 64.3918, 53.4370,
56.7497

 65.6273, 54.0155,
59.4440

Harmonies

Analogous

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



28.6165, 34.9317, 29.3216



27.7116, 34.9317, 36.7344



28.2026, 34.9317, 45.6989

Triad

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



27.7116, 34.9317, 36.7344



35.7797, 34.9317, 55.2238



36.6224, 34.9317, 25.8467

Complementary

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



27.7116, 34.9317, 36.7344



27.0368, 22.9082, 24.4709

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.



38.7588, 34.9317, 31.2792



27.7116, 34.9317, 36.7344



38.2519, 34.9317, 48.3225

Square

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



27.7116, 34.9317, 36.7344



32.7444, 34.9317, 57.2704



39.3725, 34.9317, 39.3653



33.6629, 34.9317, 23.6750

Rectangle

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



27.7116, 34.9317, 36.7344



29.2723, 34.9317, 51.2571



39.3725, 34.9317, 39.3653



37.4675, 34.9317, 27.3075

Sweetspot

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



27.7126, 34.9331, 36.7352



62.8762, 69.6909, 75.4940



26.9675, 34.8713, 22.1397



13.8132, 15.4366, 16.7024



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.7126, 34.9331, 36.7352



47.3018, 61.8958, 64.1985



26.7573, 31.0143, 42.6080



7.6617, 8.4977, 9.2045



13.3252, 22.2489, 18.0114



0.3436, 0.5491, 0.5402

Inverse Universe

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



27.0368, 22.9082, 24.4709



45.8950, 36.7828, 38.6080



27.6882, 25.6287, 20.3177



7.6095, 7.5736, 8.2607



12.5621, 6.4335, 2.5055



0.3262, 0.1648, 0.1694

Previews

White Background



This preview shows how the XYZ color 27.7116, 34.9317, 36.7344 looks on a white background.

Color Contrast Check

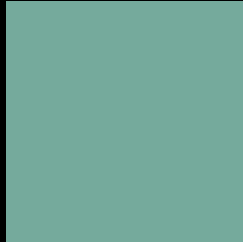
Large Text (above 18pt) WCAG AA × Fail

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 27.7116, 34.9317, 36.7344 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

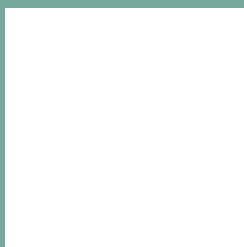
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7116, 34.9317, 36.7344

Background



This preview shows how black text looks on a background with the XYZ color 27.7116, 34.9317, 36.7344.

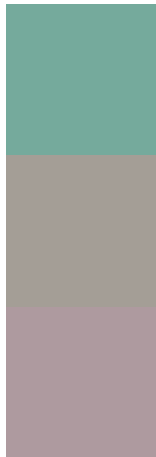


This preview shows how white text looks on a background with the XYZ color 27.7116, 34.9317,

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

27.7116, 34.9317, 36.7344

Protanopia

33.0417, 34.5482, 33.7812

Deuteranopia

35.2692, 34.6131, 37.6230



Tritanopia

29.9005, 34.7053, 48.3029

Trichromacy



Original Color

27.7116, 34.9317, 36.7344

Protanomaly

30.6204, 34.3107, 34.7145

Deuteranomaly

31.8792, 34.3825, 37.3040

Tritanomaly

28.9151, 34.5708, 43.6769

Monochromacy



Original Color

27.7116, 34.9317, 36.7344

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.0461, 32.7048, 35.3536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7116, 34.9317, 36.7344 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(117, 170, 156)` looks like.

```
.text, #text, p{  
    color:rgb(117, 170, 156)  
}
```

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(117, 170, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 170, 156) }
```

Border

The CSS property to change the border of an element to XYZ 27.7116, 34.9317, 36.7344 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(117, 170, 156) }
```


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

```
.border{ border-color:rgb(117, 170, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 170, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 170, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 170, 156);  
box-shadow:4px 4px 4px 4px rgb(117, 170,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7116, 34.9317, 36.7344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 170, 156) }
```

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

```
.background{ background-color: rgb(117,  
170, 156) }
```

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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