

Converting Colors

XYZ(34.7218, 39.0637, 36.5447)

Have a look what the booklet for
XYZ(34.7218, 39.0637, 36.5447)
contains.

XYZ(34.7695, 39.1407, 36.7327)	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(34.7695, 39.1407,
36.7327)**

Conversions

Conversions Part 1

Format	Color
Hex	9EAC9B
RGB	158, 172, 155
RGB Percent	62%, 67%, 61%
CMY	0.3804, 0.3255, 0.3922
CMYK	0.08, 0.00, 0.10, 0.33
HSL	109°, 9%, 64%
HSV	109°, 10%, 67%
XYZ	34.7695, 39.1407, 36.7327
YIQ	165.8760, -2.8870, -8.2550

Conversions

Conversions Part 2

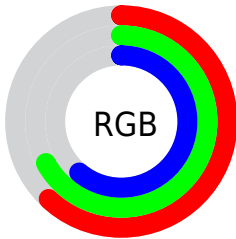
Format	Color
RYB	155, 172, 169
Decimal	10398875
CIELab	68.85, -8.15, 7.07
CIELCh	69, 10.791, 139.066
Yxy	39.1407, 0.3142, 0.3538
Android (android.graphics.Color)	4288588955 (0xFF9EAC9B)
YUV	165.8760, -5.3619, -6.9073
Hunter-Lab	62.5625, -10.2820, 8.9825

Details

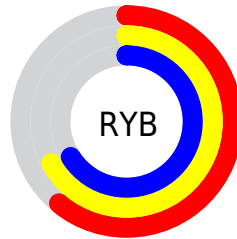
The XYZ color **34.7695, 39.1407, 36.7327** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.5314, 34.8573, 43.8871**, and the grayscale version is **36.2126, 38.0985, 41.4892**.

A 20% lighter version of the original color is **66.4183, 73.6878, 71.0441**, and **15.2786, 17.5582, 15.6805** is the 20% darker color. If you saturate the color by 10%, you get **30.7992, 37.2503, 29.5360**, and if you desaturate by 10%, it is **39.2690, 41.2824, 45.0300**.

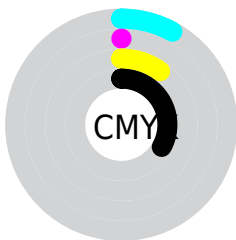
Distribution



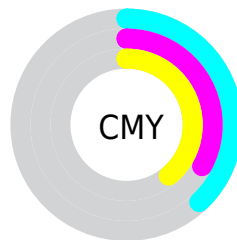
- Red (62%)
- Green (67%)
- Blue (61%)



- Red (61%)
- Yellow (67%)
- Blue (66%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (33%)



- Cyan (38%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7695, 39.1407, 36.7327 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 34.7695, 39.1407, 36.7327 by changing the saturation by 10% instead.

■ 34.7695, 39.1407,
36.7327

■ 34.7695, 39.1407,
36.7327

315.0756,
342.4883, 347.2856

■ 23.6511, 26.8692,
24.7064

■ 66.4649, 73.8532,
71.3432

■ 15.1983, 17.4750,
15.6414

■ 87.7726, 97.0630,
94.7645

■ 9.0459, 10.5737,
9.1192

113.2074,
124.6877, 122.8213

■ 4.8285, 5.7810,
4.7211

143.1347,
157.1117, 155.9320

■ 2.1807, 2.7124,
2.0287

177.9198,
194.7193, 194.5153

■ 0.7325, 0.9835,
0.5729

217.9280,

■ 0.0000, 0.0000,

237.8951, 238.9896

0.0000

263.5249,
287.0233, 289.7735

■ 34.7695, 39.1407,
36.7327

■ 34.7695, 39.1407,
36.7327

■ 30.7992, 37.2503,
29.5360

■ 39.2690, 41.2824,
45.0300

■ 27.3354, 35.5970,
23.3912

■ 44.3129, 43.6789,
54.4686

■ 24.3584, 34.1730,
18.2497

■ 49.9199, 46.3402,
65.0905

■ 21.8459, 32.9680,
14.0584

■ 56.1067, 49.2739,
76.9346

■ 19.7741, 31.9708,
10.7589

■ 62.8896, 52.4875,
90.0381

■ 18.1168, 31.1694,
8.2866

■ 69.7636, 55.7803,
101.6975

■ 16.8450, 30.5505,
6.5681

■ 74.0433, 57.9866,
101.8978

■ 15.9256, 30.0989,
5.5171

■ 15.3048, 29.7908,
4.9492

Harmonies

Analogous

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



36.1368, 39.1407, 34.3115



34.7695, 39.1407, 36.7327



34.0618, 39.1407, 40.8538

Triad

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



34.7695, 39.1407, 36.7327



36.5810, 39.1407, 52.5634



40.4018, 39.1407, 39.6107

Complementary

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



34.7695, 39.1407, 36.7327



35.5314, 34.8573, 43.8871

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.



40.5296, 39.1407, 44.4314



34.7695, 39.1407, 36.7327



38.2881, 39.1407, 52.1664

Square

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



34.7695, 39.1407, 36.7327



35.0861, 39.1407, 50.1462



39.7455, 39.1407, 49.0996



39.4014, 39.1407, 35.8829

Rectangle

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



34.7695, 39.1407, 36.7327



34.0442, 39.1407, 44.1209



39.7455, 39.1407, 49.0996



40.5494, 39.1407, 41.1488

Sweetspot

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



34.7706, 39.1424, 36.7336



68.5448, 73.6089, 76.6973



37.0975, 39.4715, 36.6744



14.7535, 15.9289, 16.4041



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.



34.7706, 39.1424, 36.7336



61.3131, 70.1672, 63.4194



34.6500, 39.0268, 39.1415



8.0314, 9.0048, 8.5282



11.4184, 22.1835, 3.6800



0.3561, 0.6369, 0.1042

Inverse Universe

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



35.5314, 34.8573, 43.8871



62.9915, 60.7117, 79.2043



35.6756, 34.9902, 41.2487



8.1964, 8.0755, 10.0794



13.8398, 6.4945, 29.5686



0.4208, 0.1991, 0.8242

Previews

White Background



This preview shows how the XYZ color 34.7695, 39.1407, 36.7327 looks on a white background.

Color Contrast Check

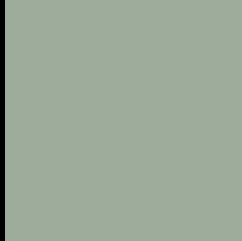
Large Text (above 18pt) WCAG AA × Fail

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 34.7695, 39.1407, 36.7327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

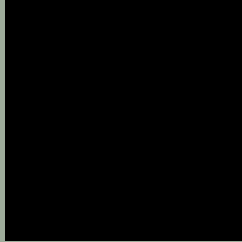
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

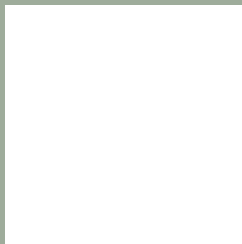
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7695, 39.1407, 36.7327

Background



This preview shows how black text looks on a background with the XYZ color 34.7695, 39.1407, 36.7327.



This preview shows how white text looks on a background with the XYZ color 34.7695, 39.1407,

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

34.7695, 39.1407, 36.7327

Protanopia

36.9418, 38.9031, 35.2678

Deuteranopia

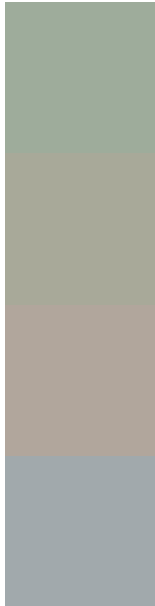
39.7452, 38.9663, 37.3247



Tritanopia

37.2434, 39.0228, 49.2853

Trichromacy



Original Color

34.7695, 39.1407, 36.7327

Protanomaly

36.0862, 39.0007, 35.7629

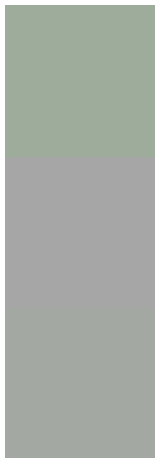
Deuteranomaly

37.7684, 39.0198, 36.9935

Tritanomaly

36.3323, 38.9316, 44.6294

Monochromacy



Original Color

34.7695, 39.1407, 36.7327

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.6285, 38.4004, 39.7166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7695, 39.1407, 36.7327 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(158, 172, 155) looks like.

```
.text, #text, p{  
    color:rgb(158, 172, 155)  
}
```

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(158, 172, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 172, 155) }
```

Border

The CSS property to change the border of an element to XYZ 34.7695, 39.1407, 36.7327 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(158, 172, 155) }
```


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

```
.border{ border-color:rgb(158, 172, 155) }
```

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

Here you see how a box with a 4 pixel rgb(158, 172, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 172, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 172, 155);  
box-shadow:4px 4px 4px 4px rgb(158, 172,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7695, 39.1407, 36.7327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 172, 155) }
```

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

```
.background{ background-color: rgb(158,  
172, 155) }
```

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