

Converting Colors

XYZ(34.6247, 34.4436, 49.5819)

Have a look what the booklet for
XYZ(34.6247, 34.4436, 49.5819)
contains.

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Color

**XYZ(34.7338, 34.5668,
49.6411)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9CB7
RGB	159, 156, 183
RGB Percent	62%, 61%, 72%
CMY	0.3765, 0.3882, 0.2823
CMYK	0.13, 0.15, 0.00, 0.28
HSL	247°, 16%, 66%
HSV	247°, 15%, 72%
XYZ	34.7338, 34.5668, 49.6411
YIQ	159.9750, -6.8790, 9.0330

Conversions

Conversions Part 2

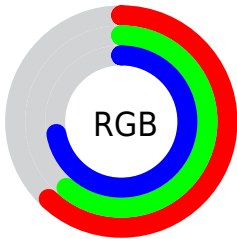
Format	Color
RYB	159, 156, 183
Decimal	10460343
CIELab	65.41, 6.57, -13.57
CIElCh	65, 15.073, 295.825
Yxy	34.5668, 0.2920, 0.2906
Android (android.graphics.Color)	4288650423 (0xFF9F9CB7)
YUV	159.9750, 11.3513, -0.8551
Hunter-Lab	58.7935, 2.5648, -8.9048

Details

The XYZ color **34.7338, 34.5668, 49.6411** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.7578, 45.9714, 38.1267**, and the grayscale version is **33.3546, 35.0916, 38.2148**.

A 20% lighter version of the original color is **66.3581, 66.6213, 91.0231**, and **15.1442, 14.8407, 23.1854** is the 20% darker color. If you saturate the color by 10%, you get **28.8750, 27.3269, 48.5530**, and if you desaturate by 10%, it is **41.4820, 42.9538, 50.9048**.

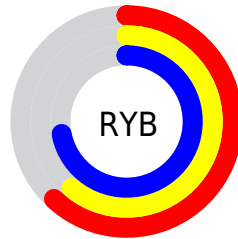
Distribution



Red (62%)

Green (61%)

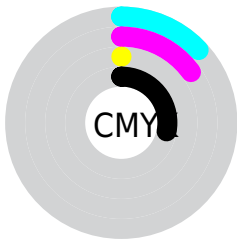
Blue (72%)



Red (62%)

Yellow (61%)

Blue (72%)

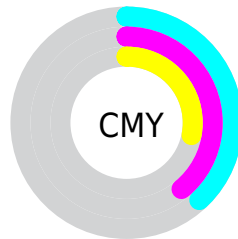


Cyan (13%)

Magenta (15%)

Yellow (0%)

Black (28%)



Cyan (38%)

Magenta (39%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7338, 34.5668, 49.6411 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 34.7338, 34.5668, 49.6411 by changing the saturation by 10% instead.

■ 34.7338, 34.5668,
49.6411

■ 34.7338, 34.5668,
49.6411

314.9204,
322.6521, 401.9555

■ 23.6234, 23.3294,
34.7591

■ 66.4099, 66.8141,
91.0337

■ 15.1777, 14.8369,
23.1953

■ 87.7064, 88.5928,
118.3814

■ 9.0314, 8.7050,
14.5311

113.1289,
114.6540, 150.7215

■ 4.8189, 4.5493,
8.3481

143.0429,
145.3822, 188.4724

■ 2.1751, 1.9853,
4.2275

177.8137,
181.1617, 232.0527

■ 0.7295, 0.5989,
1.7510

217.8067,

■ 0.0000, 0.0000,

222.3769, 281.8810

0.3953

263.3871,
269.4122, 338.3758

■ 0.0000, 0.0000,
0.0000

■ 34.7338, 34.5668,
49.6411

■ 34.7338, 34.5668,
49.6411

■ 28.8750, 27.3269,
48.5530

■ 41.4820, 42.9538,
50.9048

■ 23.8653, 21.1800,
47.6306

■ 49.1512, 52.5302,
52.3491

■ 19.6661, 16.0741,
46.8664

■ 57.7756, 63.3415,
53.9813

■ 16.2345, 11.9514,
46.2515

■ 67.3864, 75.4297,
55.8080

■ 13.5235, 8.7482,
45.7761

■ 78.0137, 88.8344,
57.8352

■ 11.4811, 6.3935,
45.4292

■ 85.5473, 96.1989,
58.8597

■ 10.0480, 4.8056,
45.1982

■ 9.1543, 3.8865,
45.0680

■ 8.8424, 3.5711,
45.0235

Harmonies

Analogous

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



32.5474, 34.5668, 51.0723



34.7338, 34.5668, 49.6411



36.4835, 34.5668, 44.8678

Triad

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



34.7338, 34.5668, 49.6411



35.2909, 34.5668, 28.4705



28.8104, 34.5668, 36.7614

Complementary

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



34.7338, 34.5668, 49.6411



41.7578, 45.9714, 38.1267

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.



29.4749, 34.5668, 31.2287



34.7338, 34.5668, 49.6411



33.1639, 34.5668, 26.7930

Square

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



34.7338, 34.5668, 49.6411



36.8151, 34.5668, 32.5985



31.0446, 34.5668, 27.7438



29.1891, 34.5668, 43.1705

Rectangle

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



34.7338, 34.5668, 49.6411



37.1330, 34.5668, 40.6856



31.0446, 34.5668, 27.7438



28.9183, 34.5668, 34.7453

Sweetspot

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



34.7349, 34.5682, 49.6419



75.1820, 78.0369, 91.3358



38.6405, 43.2515, 51.1121



16.3900, 16.9675, 20.1328



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.7349, 34.5682, 49.6419



58.3101, 57.0831, 88.1806



37.4941, 35.9907, 49.7710



8.6113, 8.7660, 11.3176



6.1988, 2.5068, 31.4102



0.2492, 0.1042, 1.1087

Inverse Universe

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



39.6563, 37.1410, 48.2605



68.9939, 62.6699, 85.1096



38.8294, 44.4618, 37.9896



9.3368, 9.1451, 11.1211



18.2309, 8.8661, 24.9005



0.6550, 0.3175, 0.9428

Previews

White Background



This preview shows how the XYZ color 34.7338, 34.5668, 49.6411 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 34.7338, 34.5668, 49.6411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

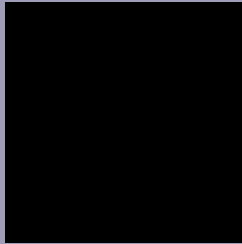
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7338, 34.5668, 49.6411

Background



This preview shows how black text looks on a background with the XYZ color 34.7338, 34.5668, 49.6411.



This preview shows how white text looks on a background with the XYZ color 34.7338, 34.5668,

49.6411.

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

34.7338, 34.5668, 49.6411

Protanopia

34.0351, 34.4447, 50.2020

Deuteranopia

35.3728, 34.6481, 49.6232



Tritanopia

33.4822, 34.5621, 43.4345

Trichromacy



Original Color

34.7338, 34.5668, 49.6411

Protanomaly

34.4190, 34.6426, 50.2200

Deuteranomaly

35.1689, 34.5430, 49.6136

Tritanomaly

33.8954, 34.4782, 45.4259

Monochromacy



Original Color

34.7338, 34.5668, 49.6411

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.9632, 35.0970, 42.0301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7338, 34.5668, 49.6411 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(159, 156, 183)` looks like.

```
.text, #text, p{  
    color:rgb(159, 156, 183)  
}
```

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(159, 156, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 156, 183) }
```

Border

The CSS property to change the border of an element to XYZ 34.7338, 34.5668, 49.6411 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(159, 156, 183) }
```


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

```
.border{ border-color:rgb(159, 156, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 156, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 156, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 156, 183);  
box-shadow:4px 4px 4px 4px rgb(159, 156,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7338, 34.5668, 49.6411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 156, 183) }
```

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

```
.background{ background-color: rgb(159,  
156, 183) }
```

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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