

Converting Colors

XYZ(34.7194, 37.9720, 29.6770)

Have a look what the booklet for
XYZ(34.7194, 37.9720, 29.6770)
contains.

XYZ(34.5546, 37.7972, 29.5191)	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(34.5546, 37.7972,
29.5191)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A78A
RGB	168, 167, 138
RGB Percent	66%, 65%, 54%
CMY	0.3412, 0.3451, 0.4588
CMYK	0.00, 0.01, 0.18, 0.34
HSL	58°, 15%, 60%
HSV	58°, 18%, 66%
XYZ	34.5546, 37.7972, 29.5191
YIQ	163.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

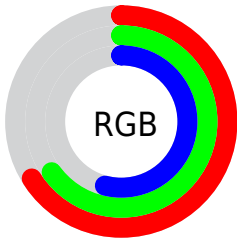
Format	Color
R _Y B	139, 168, 138
Decimal	11052938
CIE Lab	67.87, -4.66, 15.16
CIE LCh	68, 15.861, 107.073
Yxy	37.7972, 0.3392, 0.3710
Android (android.graphics.Color)	4289243018 (0xFFA8A78A)
YUV	163.9930, -12.8145, 3.5141
Hunter-Lab	61.4794, -7.2628, 14.5677

Details

The XYZ color **34.5546, 37.7972, 29.5191** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.7817, 26.6952, 40.7872**, and the grayscale version is **35.3398, 37.1802, 40.4893**.

A 20% lighter version of the original color is **66.0671, 71.7363, 60.2336**, and **15.0946, 16.6791, 11.6563** is the 20% darker color. If you saturate the color by 10%, you get **33.3296, 37.1452, 23.5670**, and if you desaturate by 10%, it is **35.9702, 38.5287, 36.4639**.

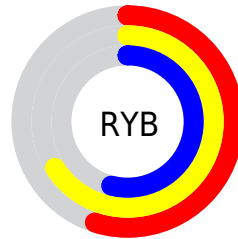
Distribution



Red (66%)

Green (65%)

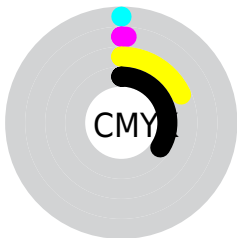
Blue (54%)



Red (55%)

Yellow (66%)

Blue (54%)

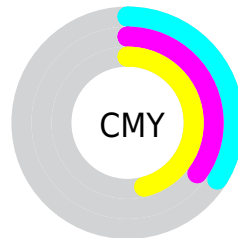


Cyan (0%)

Magenta (1%)

Yellow (18%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5546, 37.7972, 29.5191 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 34.5546, 37.7972, 29.5191 by changing the saturation by 10% instead.

■ 34.5546, 37.7972,
29.5191

■ 34.5546, 37.7972,
29.5191

314.1405,
336.7492, 313.7936

■ 23.4849, 25.8253,
19.2249

■ 66.1338, 71.7972,
59.9528

■ 15.0746, 16.6930,
11.6545

■ 87.3739, 94.5941,
80.9294

■ 8.9584, 10.0159,
6.3892

■ 112.7350,
121.7681, 106.3039

■ 4.7710, 5.4095,
3.0105

142.5822,
153.7037, 136.4948

■ 2.1469, 2.4895,
1.1000

177.2811,
190.7852, 171.9207

■ 0.7145, 0.8714,
0.0000

217.1968,

■ 0.0000, 0.0000,

233.3970, 213.0001

0.0000

262.6949,
281.9236, 260.1516

■ 34.5546, 37.7972,
29.5191

■ 34.5546, 37.7972,
29.5191

■ 33.3296, 37.1452,
23.5670

■ 35.9702, 38.5287,
36.4639

■ 32.2836, 36.5643,
18.5599

■ 37.5816, 39.3378,
44.4415

■ 31.4083, 36.0524,
14.4496

■ 39.3972, 40.2294,
53.4928

■ 30.6936, 35.6054,
11.1826

■ 41.4243, 41.2063,
63.6556

■ 30.1283, 35.2189,
8.7001

■ 43.6698, 42.2713,
74.9659

■ 29.6997, 34.8877,
6.9355

■ 46.1401, 43.4269,
87.4582

■ 29.3931, 34.6061,
5.8111

■ 48.7445, 44.6368,
100.6544

■ 29.1840, 34.3641,
5.1982

■ 48.8501, 44.8480,
100.6896

■ 29.1431, 34.3139,
5.0872

■ 48.9561, 45.0600,
100.7249

Harmonies

Analogous

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



36.9933, 37.7972, 29.3163



34.5546, 37.7972, 29.5191



32.5727, 37.7972, 32.6034

Triad

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



34.5546, 37.7972, 29.5191



32.7999, 37.7972, 51.8886



40.7338, 37.7972, 44.2591

Complementary

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



34.5546, 37.7972, 29.5191



26.7817, 26.6952, 40.7872

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.



39.5000, 37.7972, 51.0841



34.5546, 37.7972, 29.5191



34.8777, 37.7972, 55.8153

Square

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



34.5546, 37.7972, 29.5191



31.5918, 37.7972, 45.2602



37.3314, 37.7972, 55.5051



40.6376, 37.7972, 37.3054

Rectangle

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



34.5546, 37.7972, 29.5191



31.7436, 37.7972, 36.1015



37.3314, 37.7972, 55.5051



40.4585, 37.7972, 46.6588

Sweetspot

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



34.5556, 37.7989, 29.5199



66.0450, 70.3068, 69.9804



29.8975, 28.3664, 28.3261



14.3535, 15.3029, 15.0479



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.



34.5556, 37.7989, 29.5199



61.8824, 68.1571, 49.5547



31.9169, 36.7106, 29.4489



8.1252, 8.7304, 8.0462



22.0152, 25.9277, 3.8442



0.5420, 0.6435, 0.0956

Inverse Universe

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



26.7817, 26.6952, 40.7872



45.4005, 44.6158, 73.4439



29.1057, 27.6800, 40.8548



7.1510, 7.3390, 9.4580



5.3907, 2.2416, 28.1240



0.1372, 0.0667, 0.6863

Previews

White Background



This preview shows how the XYZ color 34.5546, 37.7972, 29.5191 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 34.5546, 37.7972, 29.5191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

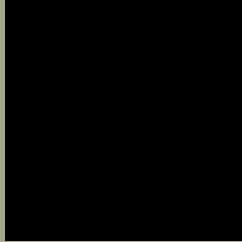
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5546, 37.7972, 29.5191

Background



This preview shows how black text looks on a background with the XYZ color 34.5546, 37.7972, 29.5191.



This preview shows how white text looks on a background with the XYZ color 34.5546, 37.7972,

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

34.5546, 37.7972, 29.5191

Protanopia

35.6497, 37.8304, 29.0900

Deuteranopia

38.3670, 37.6369, 30.0534



Tritanopia

37.8918, 37.8200, 45.8603

Trichromacy



Original Color

34.5546, 37.7972, 29.5191

Protanomaly

35.1648, 37.8492, 29.1192

Deuteranomaly

36.8719, 37.6498, 29.7499

Tritanomaly

36.5916, 37.8175, 39.5533

Monochromacy



Original Color

34.5546, 37.7972, 29.5191

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.8886, 37.2762, 36.3665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5546, 37.7972, 29.5191 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(168, 167, 138)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 138)  
}
```

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(168, 167, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 138) }
```

Border

The CSS property to change the border of an element to XYZ 34.5546, 37.7972, 29.5191 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(168, 167, 138) }
```


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

```
.border{ border-color:rgb(168, 167, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 167, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 167, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 167, 138);  
box-shadow:4px 4px 4px 4px rgb(168, 167,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5546, 37.7972, 29.5191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 138) }
```

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

```
.background{ background-color: rgb(168,  
167, 138) }
```

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