

Converting Colors

XYZ(37.1050, 41.4991, 30.4818)

Have a look what the booklet for
XYZ(37.1050, 41.4991, 30.4818)
contains.

XYZ(37.1988, 41.6854, 30.5116)	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(37.1988, 41.6854,
30.5116)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB08B
RGB	172, 176, 139
RGB Percent	67%, 69%, 55%
CMY	0.3255, 0.3098, 0.4549
CMYK	0.02, 0.00, 0.21, 0.31
HSL	66°, 19%, 62%
HSV	66°, 21%, 69%
XYZ	37.1988, 41.6854, 30.5116
YIQ	170.5860, 9.4930, -12.3550

Conversions

Conversions Part 2

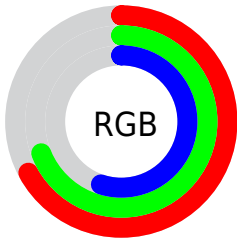
Format	Color
RYB	139, 176, 143
Decimal	11317387
CIELab	70.65, -7.77, 18.53
CIELCh	71, 20.089, 112.758
Yxy	41.6854, 0.3400, 0.3811
Android (android.graphics.Color)	4289507467 (0xFFACB08B)
YUV	170.5860, -15.5719, 1.2401
Hunter-Lab	64.5642, -10.1443, 17.1758

Details

The XYZ color **37.1988, 41.6854, 30.5116** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.3984, 27.4406, 44.8764**, and the grayscale version is **38.5742, 40.5831, 44.1950**.

A 20% lighter version of the original color is **70.4772, 78.0575, 61.8041**, and **16.6186, 19.0585, 12.2540** is the 20% darker color. If you saturate the color by 10%, you get **35.6004, 40.9995, 24.2557**, and if you desaturate by 10%, it is **39.0125, 42.4609, 37.8600**.

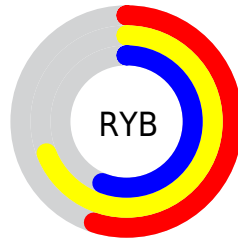
Distribution



Red (67%)

Green (69%)

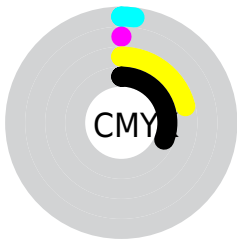
Blue (55%)



Red (55%)

Yellow (69%)

Blue (56%)

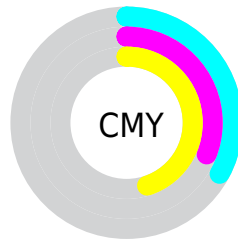


Cyan (2%)

Magenta (0%)

Yellow (21%)

Black (31%)



Cyan (33%)

Magenta (31%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1988, 41.6854, 30.5116 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 37.1988, 41.6854, 30.5116 by changing the saturation by 10% instead.

■ 37.1988, 41.6854,
30.5116

■ 37.1988, 41.6854,
30.5116

325.5110,
353.1771, 318.5631

■ 25.5358, 28.8550,
19.9719

■ 70.1903, 77.7233,
61.5408

■ 16.6076, 18.9712,
12.1907

■ 92.2495, 101.6996,
82.8675

■ 10.0487, 11.6495,
6.7496

■ 118.5049,
130.1599, 108.6268

■ 5.4937, 6.5055,
3.2299

149.3217,
163.4888, 139.2374

■ 2.5775, 3.1548,
1.2132

185.0654,
202.0706, 175.1178

■ 0.9345, 1.2131,
0.0000

226.1013,

■ 0.0000, 0.0723,

246.2896, 216.6865

0.0000

272.7947,
296.5303, 264.3621

■ 0.0000, 0.0000,
0.0000

■ 37.1988, 41.6854,
30.5116

■ 37.1988, 41.6854,
30.5116

■ 35.6004, 40.9995,
24.2557

■ 39.0125, 42.4609,
37.8600

■ 34.2041, 40.3937,
19.0377

■ 41.0474, 43.3242,
46.3469

■ 33.0002, 39.8656,
14.8020


■ 43.3133, 44.2806,
56.0189

■ 31.9770, 39.4104,
11.4869


■ 45.8185, 45.3334,
66.9191

■ 31.1214, 39.0230,
9.0238


■ 48.5707, 46.4857,
79.0885


 30.4185, 38.6973,
7.3344


 51.5775, 47.7406,
92.5662

 29.8508, 38.4264,
6.3261

 53.6639, 48.6280,
101.1655

 29.4230, 38.2165,
5.8258

 54.1275, 48.8670,
101.1872

 54.5974, 49.1092,
101.2092

Harmonies

Analogous

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



40.4321, 41.6854, 29.5404



37.1988, 41.6854, 30.5116



34.7462, 41.6854, 35.1851

Triad

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



37.1988, 41.6854, 30.5116



35.8763, 41.6854, 61.5797



46.3071, 41.6854, 47.7358

Complementary

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



37.1988, 41.6854, 30.5116



28.3984, 27.4406, 44.8764

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.



44.9311, 41.6854, 57.3949



37.1988, 41.6854, 30.5116



38.8202, 41.6854, 66.0817

Square

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



37.1988, 41.6854, 30.5116



34.0130, 41.6854, 52.8456



42.1456, 41.6854, 64.4520



45.8132, 41.6854, 38.6678

Rectangle

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



37.1988, 41.6854, 30.5116



33.8233, 41.6854, 40.1747



42.1456, 41.6854, 64.4520



46.0454, 41.6854, 51.0346

Sweetspot

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



37.1999, 41.6872, 30.5125



72.5157, 77.7553, 75.9692



32.3436, 30.6503, 28.6381



15.6652, 16.8295, 16.2549



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.1999, 41.6872, 30.5125



66.1377, 75.0335, 50.0898



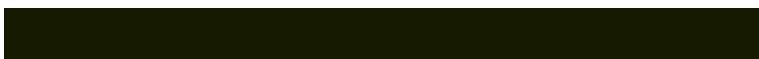
33.4754, 39.7672, 30.3382



9.1047, 9.8590, 9.0756



21.6170, 28.0540, 4.2756



0.7059, 0.8959, 0.1357

Inverse Universe

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



28.3984, 27.4406, 44.8764



47.4258, 44.7422, 80.6318



31.8087, 29.1987, 45.0360



8.1245, 8.2727, 10.6749



5.9731, 2.4150, 30.2883



0.2155, 0.0902, 0.9543

Previews

White Background



This preview shows how the XYZ color 37.1988, 41.6854, 30.5116 looks on a white background.

Color Contrast Check

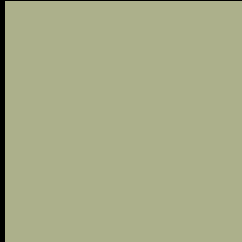
Large Text (above 18pt) WCAG AA × Fail

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 37.1988, 41.6854, 30.5116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

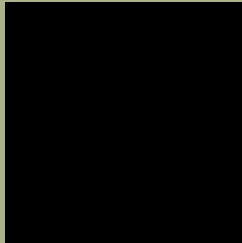
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

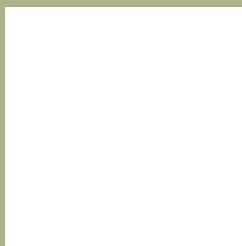
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1988, 41.6854, 30.5116

Background



This preview shows how black text looks on a background with the XYZ color 37.1988, 41.6854, 30.5116.



This preview shows how white text looks on a background with the XYZ color 37.1988, 41.6854,

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

37.1988, 41.6854, 30.5116

Protanopia

39.0350, 41.5015, 29.6201

Deuteranopia

42.2634, 41.4749, 30.9772



Tritanopia

41.2821, 41.6333, 50.6600

Trichromacy



Original Color

37.1988, 41.6854, 30.5116

Protanomaly

38.3534, 41.4254, 30.0192

Deuteranomaly

40.3436, 41.5901, 30.7123

Tritanomaly

39.6321, 41.5252, 42.4855

Monochromacy



Original Color

37.1988, 41.6854, 30.5116

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.9962, 41.0483, 38.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1988, 41.6854, 30.5116 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(172, 176, 139)` looks like.

```
.text, #text, p{  
    color:rgb(172, 176, 139)  
}
```

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(172, 176, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 176, 139) }
```

Border

The CSS property to change the border of an element to XYZ 37.1988, 41.6854, 30.5116 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(172, 176, 139) }
```


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

```
.border{ border-color:rgb(172, 176, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 176, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 176, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 176, 139);  
box-shadow:4px 4px 4px 4px rgb(172, 176,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1988, 41.6854, 30.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 176, 139) }
```

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

```
.background{ background-color: rgb(172,  
176, 139) }
```

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