

Converting Colors

XYZ(37.8483, 42.0048, 17.8321)

Have a look what the booklet for
XYZ(37.8483, 42.0048, 17.8321)
contains.

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Color

**XYZ(37.8318, 41.9999,
17.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	BAAF63
RGB	186, 175, 99
RGB Percent	73%, 69%, 39%
CMY	0.2706, 0.3137, 0.6118
CMYK	0.00, 0.06, 0.47, 0.27
HSL	52°, 39%, 56%
HSV	52°, 47%, 73%
XYZ	37.8318, 41.9999, 17.9172
YIQ	169.6250, 30.9520, -21.3040

Conversions

Conversions Part 2

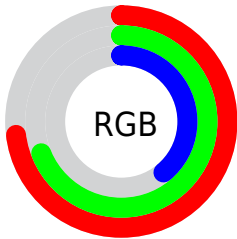
Format	Color
RYB	112, 186, 99
Decimal	12234595
CIELab	70.87, -6.65, 40.18
CIELCh	71, 40.726, 99.391
Yxy	41.9999, 0.3870, 0.4297
Android (android.graphics.Color)	4290424675 (0xFFBAAF63)
YUV	169.6250, -34.8181, 14.3609
Hunter-Lab	64.8073, -9.2120, 28.9733

Details

The XYZ color **37.8318, 41.9999, 17.9172** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.5843, 17.3491, 48.7708**, and the grayscale version is **38.1796, 40.1680, 43.7429**.

A 20% lighter version of the original color is **71.1910, 78.0611, 40.5933**, and **17.0188, 19.2215, 5.8307** is the 20% darker color. If you saturate the color by 10%, you get **36.5899, 40.7789, 13.6102**, and if you desaturate by 10%, it is **39.2885, 43.3226, 23.3072**.

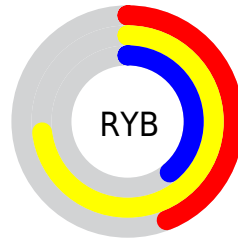
Distribution



Red (73%)

Green (69%)

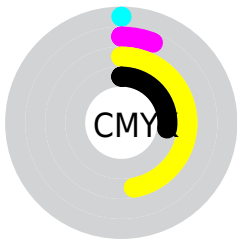
Blue (39%)



Red (44%)

Yellow (73%)

Blue (39%)

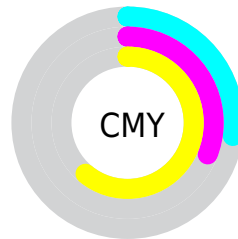


Cyan (0%)

Magenta (6%)

Yellow (47%)

Black (27%)



Cyan (27%)


Magenta (31%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8318, 41.9999, 17.9172 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 37.8318, 41.9999, 17.9172 by changing the saturation by 10% instead.


 37.8318, 41.9999,
17.9172


 37.8318, 41.9999,
17.9172


328.1912,
354.4825, 252.6244

 26.0288, 29.1012,
10.7217


 71.1558, 78.1995,
40.7082


 16.9780, 19.1574,
5.7682


 93.4075, 102.2692,
57.1408

 10.3140, 11.7841,
2.6382


 119.8729,
130.8313, 77.4896

 5.6715, 6.5968,
0.9121

 150.9172,
164.2703, 102.1730

 2.6851, 3.2113,
0.0000

186.9058,
202.9705, 131.6097

 0.9895, 1.2430,
0.0000

228.2041,

 0.0000, 0.0964,

247.3163, 166.2181

0.0000

275.1775,
297.6922, 206.4168

■ 0.0000, 0.0000,
0.0000

■ 37.8318, 41.9999,
17.9172

■ 37.8318, 41.9999,
17.9172

■ 36.5899, 40.7789,
13.6102

■ 39.2885, 43.3226,
23.3072

■ 35.5454, 39.6481,
10.3084

■ 40.9700, 44.7465,
29.8455

■ 34.6834, 38.6029,
7.9281


■ 42.8891, 46.2782,
37.5953

■ 33.9849, 37.6356,
6.3706


■ 45.0567, 47.9224,
46.6146


■ 33.4244, 36.7360,
5.5015


■ 47.4834, 49.6831,
56.9575

 33.2570, 36.4538,
5.2834

 50.1787, 51.5644,
68.6749

 53.1520, 53.5700,
81.8153

 56.4118, 55.7033,
96.4245

 58.0759, 57.2116,
102.5898

Harmonies

Analogous

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



44.6822, 41.9999, 18.9469



37.8318, 41.9999, 17.9172



32.2110, 41.9999, 22.5350

Triad

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



37.8318, 41.9999, 17.9172



30.6756, 41.9999, 73.7239



53.3948, 41.9999, 60.1582

Complementary

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



37.8318, 41.9999, 17.9172



19.5843, 17.3491, 48.7708

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.



48.7693, 41.9999, 81.0431



37.8318, 41.9999, 17.9172



35.5081, 41.9999, 90.2876

Square

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



37.8318, 41.9999, 17.9172



28.3984, 41.9999, 52.0916



42.0829, 41.9999, 93.2907



54.1988, 41.9999, 39.9100

Rectangle

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



37.8318, 41.9999, 17.9172



29.7258, 41.9999, 29.2449



42.0829, 41.9999, 93.2907



52.2122, 41.9999, 67.4762

Sweetspot

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



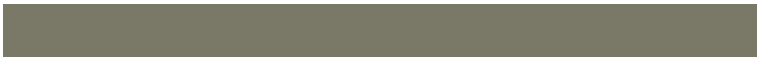
37.8328, 42.0018, 17.9181



78.6943, 84.6201, 72.0765



27.5590, 20.5021, 17.4290



17.1498, 18.4958, 15.1307



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.8328, 42.0018, 17.9181



66.2898, 73.8818, 24.5638



33.1567, 42.8985, 18.3376



9.6507, 10.3044, 9.5872



22.4123, 24.6009, 3.5672



0.8174, 0.9219, 0.1349

Inverse Universe

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



19.5843, 17.3491, 48.7708



29.2533, 23.8752, 87.2680



22.6697, 17.2866, 48.5961



8.6102, 8.8975, 11.3430



6.2069, 2.8734, 31.4806



0.2487, 0.1610, 1.1197

Previews

White Background



This preview shows how the XYZ color 37.8318, 41.9999, 17.9172 looks on a white background.

Color Contrast Check

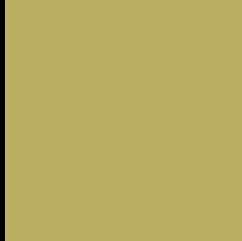
Large Text (above 18pt) WCAG AA × Fail

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 37.8318, 41.9999, 17.9172 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 37.8318, 41.9999, 17.9172

Background



This preview shows how black text looks on a background with the XYZ color 37.8318, 41.9999, 17.9172.



This preview shows how white text looks on a background with the XYZ color 37.8318, 41.9999,

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

37.8318, 41.9999, 17.9172

Protanopia

38.5759, 42.1011, 17.6484

Deuteranopia

42.6681, 41.6987, 18.1117



Tritanopia

44.0210, 41.9964, 48.4338

Trichromacy



Original Color

37.8318, 41.9999, 17.9172

Protanomaly

38.3269, 41.9728, 17.6368

Deuteranomaly

40.8453, 41.8526, 17.9822

Tritanomaly

41.1788, 41.6543, 34.7239

Monochromacy



Original Color

37.8318, 41.9999, 17.9172

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.6911, 40.7488, 32.2643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8318, 41.9999, 17.9172 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(186, 175, 99)` looks like.

```
.text, #text, p{  
    color:rgb(186, 175, 99)  
}
```

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(186, 175, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 175, 99) }
```

Border

The CSS property to change the border of an element to XYZ 37.8318, 41.9999, 17.9172 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(186, 175, 99) }
```


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

```
.border{ border-color:rgb(186, 175, 99) }
```

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

Here you see how a box with a 4 pixel rgb(186, 175, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 175, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 175, 99);  
box-shadow:4px 4px 4px 4px rgb(186, 175,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8318, 41.9999, 17.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 175, 99) }
```

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

```
.background{ background-color: rgb(186,  
175, 99) }
```

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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