

Converting Colors

XYZ(33.3906, 36.5285, 12.8744)

Have a look what the booklet for
XYZ(33.3906, 36.5285, 12.8744)
contains.

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Color

**XYZ(33.3676, 36.4769,
12.8715)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A350
RGB	180, 163, 80
RGB Percent	71%, 64%, 31%
CMY	0.2941, 0.3608, 0.6863
CMYK	0.00, 0.09, 0.56, 0.29
HSL	50°, 40%, 51%
HSV	50°, 56%, 71%
XYZ	33.3676, 36.4769, 12.8715
YIQ	158.6210, 36.7750, -22.2090

Conversions

Conversions Part 2

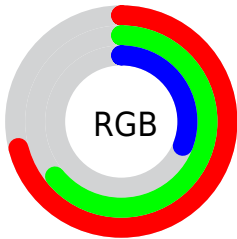
Format	Color
RYB	100, 180, 80
Decimal	11838288
CIELab	66.88, -4.53, 44.74
CIELCh	67, 44.973, 95.783
Yxy	36.4769, 0.4034, 0.4410
Android (android.graphics.Color)	4290028368 (0xFFB4A350)
YUV	158.6210, -38.7602, 18.7494
Hunter-Lab	60.3961, -7.0756, 29.6415

Details

The XYZ color **33.3676, 36.4769, 12.8715** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.8211, 13.5498, 44.9614**, and the grayscale version is **32.9419, 34.6575, 37.7420**.

A 20% lighter version of the original color is **64.4962, 69.9859, 31.9391**, and **14.4860, 16.0421, 3.5612** is the 20% darker color. If you saturate the color by 10%, you get **32.2533, 35.1739, 9.6471**, and if you desaturate by 10%, it is **34.6749, 37.8809, 17.0400**.

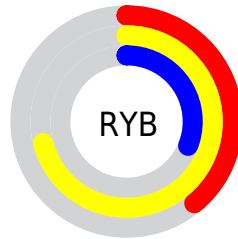
Distribution



Red (71%)

Green (64%)

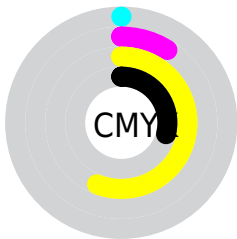
Blue (31%)



Red (39%)

Yellow (71%)

Blue (31%)

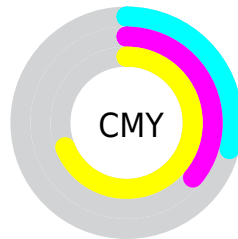


Cyan (0%)

Magenta (9%)

Yellow (56%)

Black (29%)



Cyan (29%)


Magenta (36%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3676, 36.4769, 12.8715 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 33.3676, 36.4769, 12.8715 by changing the saturation by 10% instead.


 33.3676, 36.4769,
12.8715


 33.3676, 36.4769,
12.8715


308.9387,
331.0402, 221.2713


 22.5688, 24.8027,
7.2104

 64.2999, 69.7675,
31.7605


 14.3944, 15.9301,
3.5136


 85.1640, 92.1528,
45.8256


 8.4790, 9.4747,
1.3625


 110.1140,
118.8772, 63.5290

 4.4573, 5.0521,
0.1122

 139.5152,
150.3251, 85.2894

 1.9640, 2.2779,
0.0000

 173.7329,
186.8810, 111.5253

 0.6136, 0.7620,
0.0000

213.1324,

 0.0000, 0.0000,

228.9292, 142.6552

0.0000

258.0793,
276.8541, 179.0977

■ 33.3676, 36.4769,
12.8715

■ 33.3676, 36.4769,
12.8715

■ 32.2533, 35.1739,
9.6471

■ 34.6749, 37.8809,
17.0400

■ 31.3148, 33.9607,
7.2877

■ 36.1858, 39.3861,
22.2188

■ 30.5360, 32.8321,
5.7052

■ 37.9129, 40.9991,
28.4705

■ 29.8955, 31.7795,
4.7882

■ 39.8671, 42.7244,
35.8522

■ 29.6345, 31.3275,
4.4849

■ 42.0586, 44.5662,
44.4168

■ 44.4969, 46.5285,
54.2139

■ 47.1909, 48.6150,
65.2904

■ 50.1492, 50.8291,
77.6905

■ 53.3798, 53.1744,
91.4564

Harmonies

Analogous

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



40.3233, 36.4769, 14.3949



33.3676, 36.4769, 12.8715



27.5639, 36.4769, 16.4022

Triad

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



33.3676, 36.4769, 12.8715



25.0960, 36.4769, 65.9256



48.0349, 36.4769, 57.1704

Complementary

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



33.3676, 36.4769, 12.8715



15.8211, 13.5498, 44.9614

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.



42.9035, 36.4769, 78.5655



33.3676, 36.4769, 12.8715



29.5718, 36.4769, 84.6710

Square

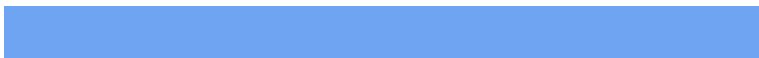
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.3676, 36.4769, 12.8715



23.2067, 36.4769, 43.6165



36.0063, 36.4769, 89.9263



49.3968, 36.4769, 36.0574

Rectangle

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



33.3676, 36.4769, 12.8715



24.9310, 36.4769, 22.1420



36.0063, 36.4769, 89.9263



46.6636, 36.4769, 64.7561

Sweetspot

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



33.3685, 36.4786, 12.8722



71.6419, 76.9104, 62.5320



23.9117, 16.3291, 13.5300



15.3298, 16.4882, 12.9266



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.3685, 36.4786, 12.8722



58.0115, 63.1922, 16.2386



30.0425, 39.5488, 13.6401



9.0717, 9.6560, 9.0382



20.7259, 21.9503, 3.1445



0.6846, 0.7555, 0.1098

Inverse Universe

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



15.8211, 13.5498, 44.9614



22.9956, 17.4975, 80.4600



17.7470, 12.4560, 44.6488



8.1548, 8.4559, 10.7087



6.1192, 3.0388, 30.4010



0.2280, 0.1664, 0.9683

Previews

White Background



This preview shows how the XYZ color 33.3676, 36.4769, 12.8715 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 33.3676, 36.4769, 12.8715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

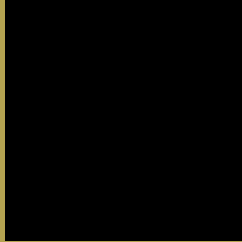
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3676, 36.4769, 12.8715

Background



This preview shows how black text looks on a background with the XYZ color 33.3676, 36.4769, 12.8715.



This preview shows how white text looks on a background with the XYZ color 33.3676, 36.4769,

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

33.3676, 36.4769, 12.8715

Protanopia

33.3676, 36.4769, 12.8715

Deuteranopia

37.0638, 36.3312, 13.0418



Tritanopia

39.1776, 36.5557, 41.0675

Trichromacy



Original Color

33.3676, 36.4769, 12.8715

Protanomaly

33.3676, 36.4769, 12.8715

Deuteranomaly

35.7044, 36.3853, 12.9258

Tritanomaly

36.4377, 36.1775, 27.9842

Monochromacy



Original Color

33.3676, 36.4769, 12.8715

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.5364, 34.9688, 26.1539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3676, 36.4769, 12.8715 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(180, 163, 80)` looks like.

```
.text, #text, p{  
    color:rgb(180, 163, 80)  
}
```

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(180, 163, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 163, 80) }
```

Border

The CSS property to change the border of an element to XYZ 33.3676, 36.4769, 12.8715 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(180, 163, 80) }
```


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

```
.border{ border-color:rgb(180, 163, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 163, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 163, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 163, 80);  
box-shadow:4px 4px 4px 4px rgb(180, 163,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3676, 36.4769, 12.8715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 163, 80) }
```

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

```
.background{ background-color: rgb(180,  
163, 80) }
```

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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