

Converting Colors

XYZ(33.6960, 41.7800, 12.4950)

Have a look what the booklet for
XYZ(33.6960, 41.7800, 12.4950)
contains.

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Color

**XYZ(33.6299, 41.7311,
12.4133)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B548
RGB	167, 181, 72
RGB Percent	65%, 71%, 28%
CMY	0.3451, 0.2902, 0.7176
CMYK	0.08, 0.00, 0.60, 0.29
HSL	68°, 43%, 50%
HSV	68°, 60%, 71%
XYZ	33.6299, 41.7311, 12.4133
YIQ	164.3880, 26.6450, -36.8670

Conversions

Conversions Part 2

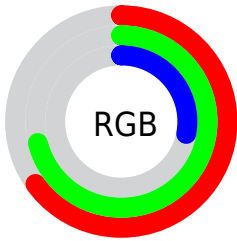
Format	Color
RYB	72, 181, 86
Decimal	10990920
CIELab	70.69, -20.00, 52.48
CIELCh	71, 56.161, 110.861
Yxy	41.7311, 0.3831, 0.4754
Android (android.graphics.Color)	4289181000 (0xFFA7B548)
YUV	164.3880, -45.5473, 2.2907
Hunter-Lab	64.5996, -20.1240, 33.8267

Details

The XYZ color **33.6299, 41.7311, 12.4133** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.4970, 9.9503, 44.8751**, and the grayscale version is **35.6741, 37.5319, 40.8723**.

A 20% lighter version of the original color is **64.7263, 77.8963, 31.0261**, and **14.4805, 18.9148, 3.3032** is the 20% darker color. If you saturate the color by 10%, you get **32.6377, 41.2795, 9.7256**, and if you desaturate by 10%, it is **34.8067, 42.2606, 16.0186**.

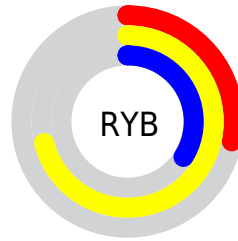
Distribution



Red (65%)

Green (71%)

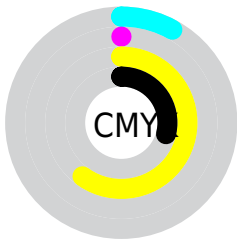
Blue (28%)



Red (28%)

Yellow (71%)

Blue (34%)

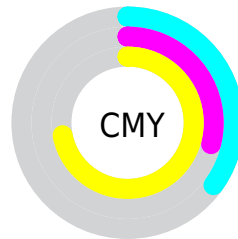


Cyan (8%)

Magenta (0%)

Yellow (60%)

Black (29%)



Cyan (35%)

Magenta (29%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6299, 41.7311, 12.4133 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 33.6299, 41.7311, 12.4133 by changing the saturation by 10% instead.

■ 33.6299, 41.7311,
12.4133

■ 33.6299, 41.7311,
12.4133

310.0937,
353.3670, 218.1967

■ 22.7710, 28.8908,
6.8999

■ 64.7058, 77.7925,
30.9212

■ 14.5442, 18.9982,
3.3221

■ 85.6536, 101.7824,
44.7528

■ 8.5844, 11.6690,
1.2613

■ 110.6949,
130.2576, 62.1941

■ 4.5260, 6.5187,
0.0298

■ 140.1952,
163.6025, 83.6638

■ 2.0038, 3.1630,
0.0000

■ 174.5199,
202.2015, 109.5804

■ 0.6361, 1.2174,
0.0000

214.0343,

■ 0.0000, 0.0758,

246.4390, 140.3624

0.0000

259.1038,
296.6994, 176.4283

■ 0.0000, 0.0000,
0.0000

■ 33.6299, 41.7311,
12.4133

■ 33.6299, 41.7311,
12.4133

■ 32.6377, 41.2795,
9.7256

■ 34.8067, 42.2606,
16.0186

■ 31.8114, 40.8937,
7.8699

■ 36.1792, 42.8679,
20.6119

■ 31.1333, 40.5683,
6.7491

■ 37.7607, 43.5598,
26.2595

■ 30.5759, 40.2932,
6.1659

■ 39.5628, 44.3410,
33.0216

■ 41.5959, 45.2157,
40.9536

■ 43.8701, 46.1878,
50.1073

■ 46.3944, 47.2611,
60.5313

■ 49.1779, 48.4390,
72.2717

■ 52.2287, 49.7250,
85.3722

Harmonies

Analogous

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



42.5732, 41.7311, 11.3078



33.6299, 41.7311, 12.4133



27.3463, 41.7311, 20.1688

Triad

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



33.6299, 41.7311, 12.4133



29.4121, 41.7311, 97.8711



60.0726, 41.7311, 54.0687

Complementary

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



33.6299, 41.7311, 12.4133



14.4970, 9.9503, 44.8751

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.



55.2165, 41.7311, 86.0444



33.6299, 41.7311, 12.4133



36.8908, 41.7311, 117.0924

Square

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



33.6299, 41.7311, 12.4133



25.1888, 41.7311, 66.2283



46.3802, 41.7311, 112.0764



58.8343, 41.7311, 29.5294

Rectangle

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



33.6299, 41.7311, 12.4133



25.0531, 41.7311, 30.6285



46.3802, 41.7311, 112.0764



59.0738, 41.7311, 64.3855

Sweetspot

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



33.6309, 41.7330, 12.4142



71.5184, 79.6969, 61.6992



23.4534, 16.7452, 8.1275



15.2434, 17.1328, 12.5132



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.



33.6309, 41.7330, 12.4142



57.9789, 73.7083, 16.2775



24.6064, 37.0807, 11.9918



9.0875, 9.8502, 9.0748



21.1182, 27.7969, 4.2523



0.6942, 0.8900, 0.1352

Inverse Universe

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



14.4970, 9.9503, 44.8751



20.8347, 11.8802, 79.4896



21.3429, 13.4795, 45.1955



8.1401, 8.2808, 10.6756



6.0314, 2.4451, 30.2910



0.2219, 0.0935, 0.9546

Previews

White Background



This preview shows how the XYZ color 33.6299, 41.7311, 12.4133 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 33.6299, 41.7311, 12.4133 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 33.6299, 41.7311, 12.4133

Background



This preview shows how black text looks on a background with the XYZ color 33.6299, 41.7311, 12.4133.



This preview shows how white text looks on a background with the XYZ color 33.6299, 41.7311,

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

33.6299, 41.7311, 12.4133

Protanopia

37.7873, 41.5358, 11.8200

Deuteranopia

42.3466, 41.3829, 12.7770



Tritanopia

41.5124, 41.7521, 50.6708

Trichromacy



Original Color

33.6299, 41.7311, 12.4133

Protanomaly

36.1911, 41.5729, 12.0781

Deuteranomaly

38.6707, 41.1278, 12.5569

Tritanomaly

37.7732, 41.3692, 31.9808

Monochromacy



Original Color

33.6299, 41.7311, 12.4133

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.9885, 38.3875, 27.0909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6299, 41.7311, 12.4133 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(167, 181, 72)` looks like.

```
.text, #text, p{  
    color:rgb(167, 181, 72)  
}
```

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(167, 181, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 181, 72) }
```

Border

The CSS property to change the border of an element to XYZ 33.6299, 41.7311, 12.4133 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(167, 181, 72) }
```


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

```
.border{ border-color:rgb(167, 181, 72) }
```

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

Here you see how a box with a 4 pixel rgb(167, 181, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 181, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 181, 72);  
box-shadow:4px 4px 4px 4px rgb(167, 181,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6299, 41.7311, 12.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 181, 72) }
```

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

```
.background{ background-color: rgb(167,  
181, 72) }
```

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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