

Converting Colors

XYZ(33.6772, 30.9319, 12.9653)

Have a look what the booklet for
XYZ(33.6772, 30.9319, 12.9653)
contains.

XYZ(33.6773, 30.8729, 12.9882)	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(33.6773, 30.8729,
12.9882)**

Conversions

Conversions Part 1

Format	Color
Hex	C48B56
RGB	196, 139, 86
RGB Percent	77%, 55%, 34%
CMY	0.2314, 0.4549, 0.6627
CMYK	0.00, 0.29, 0.56, 0.23
HSL	29°, 48%, 55%
HSV	29°, 56%, 77%
XYZ	33.6773, 30.8729, 12.9882
YIQ	150.0010, 50.9850, -4.3990

Conversions

Conversions Part 2

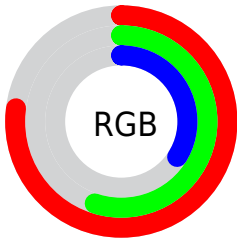
Format	Color
R_{YB}	196, 188, 86
Decimal	12880726
CIE Lab	62.40, 15.88, 36.72
CIE LCh	62, 40.006, 66.617
Yxy	30.8729, 0.4343, 0.3982
Android (android.graphics.Color)	4291070806 (0xFFC48B56)
YUV	150.0010, -31.5525, 40.3411
Hunter-Lab	55.5634, 10.9540, 25.0351

Details

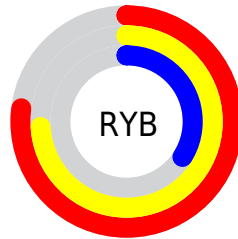
The XYZ color **33.6773, 30.8729, 12.9882** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **23.6235, 25.6077, 55.9220**, and the grayscale version is **29.1051, 30.6208, 33.3461**.

A 20% lighter version of the original color is **64.8253, 61.2061, 32.0642**, and **14.5697, 12.7737, 3.5314** is the 20% darker color. If you saturate the color by 10%, you get **31.5906, 27.7948, 8.9165**, and if you desaturate by 10%, it is **36.1186, 34.3139, 18.2469**.

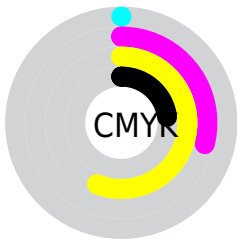
Distribution



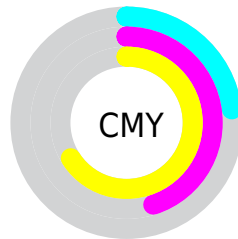
- Red (77%)
- Green (55%)
- Blue (34%)



- Red (77%)
- Yellow (74%)
- Blue (34%)



- Cyan (0%)
- Magenta (29%)
- Yellow (56%)
- Black (23%)





- Cyan (23%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6773, 30.8729, 12.9882 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 33.6773, 30.8729, 12.9882 by changing the saturation by 10% instead.


 33.6773, 30.8729,
12.9882


 33.6773, 30.8729,
12.9882


310.3020,
305.9523, 222.0472


 22.8075, 20.5021,
7.2898

 64.7792, 61.0399,
31.9735


 14.5714, 12.7605,
3.5628


 85.7419, 81.6049,
46.0974


 8.6035, 7.2639,
1.3887


 110.7998,
106.3367, 63.8669

 4.5385, 3.6277,
0.1329

 140.3180,
135.6198, 85.7005

 2.0111, 1.4675,
0.0000

 174.6620,
169.8385, 112.0169

 0.6402, 0.2657,
0.0000

214.1971,

 0.0000, 0.0000,

209.3772, 143.2344

0.0000

259.2887,
254.6204, 179.7716

■ 33.6773, 30.8729,
12.9882

■ 33.6773, 30.8729,
12.9882

■ 31.5906, 27.7948,
8.9165

■ 36.1186, 34.3139,
18.2469

■ 29.8345, 25.0604,
5.9331

■ 38.9320, 38.1268,
24.7769

■ 28.3846, 22.6549,
3.9260

■ 42.1363, 42.3258,
32.6568

■ 27.2101, 20.5596,
2.7526

■ 45.7482, 46.9229,
41.9582

■ 26.8072, 19.8204,
2.4128

■ 49.7832, 51.9294,
52.7478

■ 54.2562, 57.3563,
65.0877

■ 59.1811, 63.2139,
79.0369

■ 64.5713, 69.5123,
94.6508

■ 69.2245, 75.7750,
105.5853

Harmonies

Analogous

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



38.5286, 30.8729, 18.7708



33.6773, 30.8729, 12.9882



28.1593, 30.8729, 11.8295

Triad

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



33.6773, 30.8729, 12.9882



20.1612, 30.8729, 37.1730



36.0090, 30.8729, 63.7131

Complementary

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



33.6773, 30.8729, 12.9882



23.6235, 25.6077, 55.9220

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.



30.5610, 30.8729, 72.8336



33.6773, 30.8729, 12.9882



21.7486, 30.8729, 54.7451

Square

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



33.6773, 30.8729, 12.9882



20.7799, 30.8729, 23.1066



25.3989, 30.8729, 69.1266



39.9865, 30.8729, 46.9069

Rectangle

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



33.6773, 30.8729, 12.9882



24.9180, 30.8729, 13.3694



25.3989, 30.8729, 69.1266



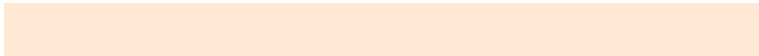
34.2648, 30.8729, 67.9822

Sweetspot

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



33.6780, 30.8744, 12.9888



82.0880, 84.0128, 73.9457



31.1780, 20.4257, 28.9530



17.2751, 17.6094, 15.0588



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.6780, 30.8744, 12.9888



56.5690, 49.3482, 14.9620



43.3675, 50.2533, 16.2186



10.4647, 10.8608, 10.6067



17.3102, 12.9062, 1.5788



0.8169, 0.6956, 0.0912

Inverse Universe

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



23.6235, 25.6077, 55.9220



36.6008, 38.8741, 100.1821



17.4299, 13.2205, 53.8575



9.9503, 10.5919, 12.8048



9.5138, 8.7840, 34.7507



0.4798, 0.5170, 1.5244

Previews

White Background



This preview shows how the XYZ color 33.6773, 30.8729, 12.9882 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 33.6773, 30.8729, 12.9882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

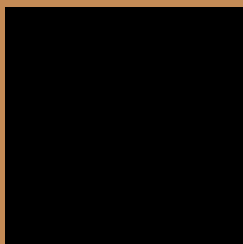
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6773, 30.8729, 12.9882

Background



This preview shows how black text looks on a background with the XYZ color 33.6773, 30.8729, 12.9882.



This preview shows how white text looks on a background with the XYZ color 33.6773, 30.8729,

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

33.6773, 30.8729, 12.9882

Protanopia

28.4291, 30.8707, 14.1331

Deuteranopia

31.6205, 30.9167, 12.8953



Tritanopia

36.9532, 30.7349, 29.5760

Trichromacy



Original Color

33.6773, 30.8729, 12.9882

Protanomaly

30.1414, 30.8188, 13.8112

Deuteranomaly

32.2990, 30.8207, 12.8410

Tritanomaly

35.7300, 30.8752, 22.4887

Monochromacy



Original Color

33.6773, 30.8729, 12.9882

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.0460, 30.3056, 24.3446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6773, 30.8729, 12.9882 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(196, 139, 86)` looks like.

```
.text, #text, p{  
    color:rgb(196, 139, 86)  
}
```

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(196, 139, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 139, 86) }
```

Border

The CSS property to change the border of an element to XYZ 33.6773, 30.8729, 12.9882 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(196, 139, 86) }
```


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

```
.border{ border-color:rgb(196, 139, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 139, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 139, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 139, 86);  
box-shadow:4px 4px 4px 4px rgb(196, 139,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6773, 30.8729, 12.9882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 139, 86) }
```

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

```
.background{ background-color: rgb(196,  
139, 86) }
```

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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