

Converting Colors

XYZ(35.4840, 36.0041, 12.6687)

Have a look what the booklet for
XYZ(35.4840, 36.0041, 12.6687)
contains.

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Color

**XYZ(35.4973, 36.0306,
12.6731)**

Conversions

Conversions Part 1

Format	Color
Hex	C19D50
RGB	193, 157, 80
RGB Percent	76%, 62%, 31%
CMY	0.2431, 0.3843, 0.6863
CMYK	0.00, 0.19, 0.59, 0.24
HSL	41°, 48%, 54%
HSV	41°, 59%, 76%
XYZ	35.4973, 36.0306, 12.6731
YIQ	158.9860, 46.1730, -16.3150

Conversions

Conversions Part 2

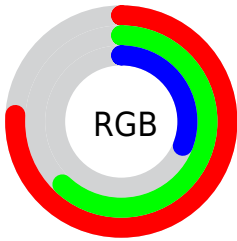
Format	Color
RYB	133, 193, 80
Decimal	12688720
CIELab	66.54, 4.28, 44.67
CIElCh	67, 44.871, 84.524
Yxy	36.0306, 0.4216, 0.4279
Android (android.graphics.Color)	4290878800 (0xFFC19D50)
YUV	158.9860, -38.9401, 29.8303
Hunter-Lab	60.0255, 0.5150, 29.5000

Details

The XYZ color **35.4973, 36.0306, 12.6731** 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 **19.1791, 18.0459, 52.9243**, and the grayscale version is **33.1067, 34.8309, 37.9308**.

A 20% lighter version of the original color is **67.5359, 68.9227, 31.2166**, and **15.5417, 15.6360, 3.4272** is the 20% darker color. If you saturate the color by 10%, you get **33.8702, 33.7585, 9.1038**, and if you desaturate by 10%, it is **37.3833, 38.4928, 17.3398**.

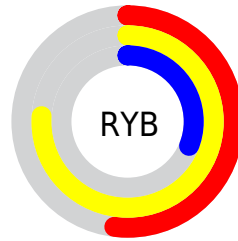
Distribution



Red (76%)

Green (62%)

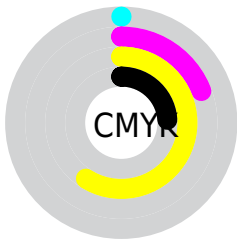
Blue (31%)



Red (52%)

Yellow (76%)

Blue (31%)

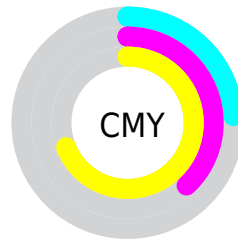


Cyan (0%)

Magenta (19%)

Yellow (59%)

Black (24%)



Cyan (24%)


Magenta (38%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4973, 36.0306, 12.6731 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 35.4973, 36.0306, 12.6731 by changing the saturation by 10% instead.


 35.4973, 36.0306,
12.6731


 35.4973, 36.0306,
12.6731


318.2277,
329.0943, 219.9456

 24.2145, 24.4578,
7.0758


 67.5844, 69.0793,
31.3978

 15.6184, 15.6736,
3.4304


 89.1194, 91.3240,
45.3622


 9.3437, 9.2935,
1.3184


 114.8026,
117.8948, 62.9527

 5.0249, 4.9331,
0.0768

 144.9992,
149.1761, 84.5878

 2.2968, 2.2081,
0.0000

 180.0747,
185.5523, 110.6861

 0.7930, 0.7244,
0.0000

220.3944,

 0.0000, 0.0000,

227.4078, 141.6662

0.0000

266.3236,
275.1270, 177.9465

■ 35.4973, 36.0306,
12.6731

■ 35.4973, 36.0306,
12.6731

■ 33.8702, 33.7585,
9.1038

■ 37.3833, 38.4928,
17.3398

■ 32.4806, 31.6624,
6.5344

■ 39.5422, 41.1478,
23.1860

■ 31.3073, 29.7343,
4.8534

■ 41.9901, 44.0045,
30.2882

■ 30.3151, 27.9585,
3.8792

■ 44.7408, 47.0696,
38.7161

■ 30.1787, 27.7103,
3.7580

■ 47.8072, 50.3493,
48.5339

■ 51.2014, 53.8496,
59.8019

■ 54.9347, 57.5762,
72.5767

■ 59.0180, 61.5343,
86.9118

■ 63.4615, 65.7293,
102.8581

Harmonies

Analogous

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



42.3295, 36.0306, 16.1070



35.4973, 36.0306, 12.6731



29.1444, 36.0306, 14.2292

Triad

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



35.4973, 36.0306, 12.6731



23.7588, 36.0306, 56.7377



45.9185, 36.0306, 64.9479

Complementary

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



35.4973, 36.0306, 12.6731



19.1791, 18.0459, 52.9243

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.



39.9107, 36.0306, 83.6012



35.4973, 36.0306, 12.6731



27.2633, 36.0306, 77.8737

Square

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



35.4973, 36.0306, 12.6731



22.8996, 36.0306, 35.7958



33.0245, 36.0306, 88.9758



48.8308, 36.0306, 42.8796

Rectangle

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



35.4973, 36.0306, 12.6731



25.9402, 36.0306, 18.2765



33.0245, 36.0306, 88.9758



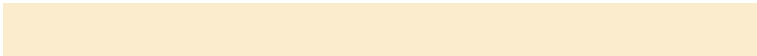
44.1588, 36.0306, 72.0798

Sweetspot

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



35.4982, 36.0323, 12.6738



80.2702, 84.4537, 69.7762



28.1114, 18.3752, 19.1014



16.8971, 17.7634, 13.9604



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



35.4982, 36.0323, 12.6738



59.9887, 59.4756, 14.9694



38.0107, 47.7369, 14.8006



10.6341, 11.1997, 10.6632



20.1471, 18.5799, 2.5244



0.9303, 0.9225, 0.1290

Inverse Universe

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



19.1791, 18.0459, 52.9243



28.2140, 24.5407, 93.6101



17.6220, 12.2313, 51.8840



9.7844, 10.2600, 12.7495



7.5936, 4.9438, 34.1106



0.3913, 0.3400, 1.4949

Previews

White Background



This preview shows how the XYZ color 35.4973, 36.0306, 12.6731 looks on a white background.

Color Contrast Check

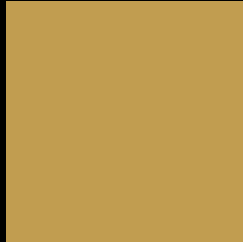
Large Text (above 18pt) WCAG AA × Fail

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 35.4973, 36.0306, 12.6731 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 35.4973, 36.0306, 12.6731

Background



This preview shows how black text looks on a background with the XYZ color 35.4973, 36.0306, 12.6731.



This preview shows how white text looks on a background with the XYZ color 35.4973, 36.0306, 12.6731.

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

35.4973, 36.0306, 12.6731

Protanopia

33.0337, 36.0336, 13.1968

Deuteranopia

36.5940, 35.8474, 12.7751



Tritanopia

40.7545, 35.9972, 38.0579

Trichromacy



Original Color

35.4973, 36.0306, 12.6731

Protanomaly

33.8232, 35.9260, 12.9363

Deuteranomaly

36.2325, 35.9071, 12.8057

Tritanomaly

38.1893, 35.6422, 26.3396

Monochromacy



Original Color

35.4973, 36.0306, 12.6731

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.0507, 34.7234, 26.0794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4973, 36.0306, 12.6731 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(193, 157, 80)` looks like.

```
.text, #text, p{  
    color:rgb(193, 157, 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(193, 157, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 157, 80) }
```

Border

The CSS property to change the border of an element to XYZ 35.4973, 36.0306, 12.6731 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(193, 157, 80) }
```


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

```
.border{ border-color:rgb(193, 157, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 157, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 157, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 157, 80);  
box-shadow:4px 4px 4px 4px rgb(193, 157,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4973, 36.0306, 12.6731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 157, 80) }
```

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

```
.background{ background-color: rgb(193,  
157, 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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