

Converting Colors

XYZ(37.4534, 36.6454, 8.0054)

Have a look what the booklet for
XYZ(37.4534, 36.6454, 8.0054)
contains.

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Color

**XYZ(37.4526, 36.6436,
8.0047)**

Conversions

Conversions Part 1

Format	Color
Hex	CD9B31
RGB	205, 155, 49
RGB Percent	80%, 61%, 19%
CMY	0.1961, 0.3921, 0.8078
CMYK	0.00, 0.24, 0.76, 0.20
HSL	41°, 61%, 50%
HSV	41°, 76%, 80%
XYZ	37.4526, 36.6436, 8.0047
YIQ	157.8660, 63.8260, -22.3660

Conversions

Conversions Part 2

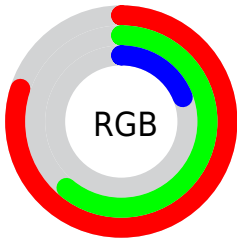
Format	Color
RYB	123, 205, 49
Decimal	13474609
CIELab	67.01, 8.77, 59.34
CIELCh	67, 59.980, 81.594
Yxy	36.6436, 0.4562, 0.4463
Android (android.graphics.Color)	4291664689 (0xFFCD9B31)
YUV	157.8660, -53.6709, 41.3365
Hunter-Lab	60.5340, 4.5042, 34.5336

Details

The XYZ color **37.4526, 36.6436, 8.0047** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.7478, 13.9840, 59.5738**, and the grayscale version is **32.6550, 34.3556, 37.4132**.

A 20% lighter version of the original color is **66.4886, 67.8402, 22.4221**, and **16.8044, 16.0116, 2.2049** is the 20% darker color. If you saturate the color by 10%, you get **36.0508, 34.3821, 5.8668**, and if you desaturate by 10%, it is **39.1123, 39.1064, 11.1994**.

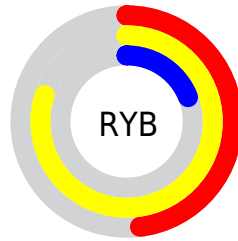
Distribution



Red (80%)

Green (61%)

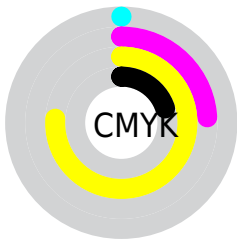
Blue (19%)



Red (48%)

Yellow (80%)

Blue (19%)

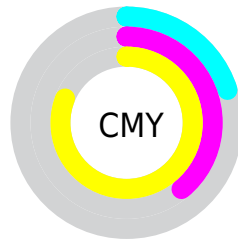


Cyan (0%)

Magenta (24%)

Yellow (76%)

Black (20%)



Cyan (20%)


Magenta (39%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4526, 36.6436, 8.0047 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 37.4526, 36.6436, 8.0047 by changing the saturation by 10% instead.


 37.4526, 36.6436,
8.0047

 37.4526, 36.6436,
8.0047

326.5875,
331.7649, 185.7049

 25.7334, 24.9317,
4.0101


 70.5777, 70.0243,
22.5140

 16.7559, 16.0262,
1.6309


 92.7142, 92.4619,
33.8658

 10.1549, 9.5427,
0.3127


 119.0540,
119.2434, 48.5071

 5.5648, 5.0968,
0.0000

 149.9622,
150.7533, 66.8564

 2.6204, 2.3042,
0.0000

 185.8043,
187.3761, 89.3323

 0.9564, 0.7759,
0.0000

 226.9457,

 0.0000, 0.0000,

229.4960, 116.3533

0.0000

273.7516,
277.4975, 148.3380

■ 37.4526, 36.6436,
8.0047

■ 37.4526, 36.6436,
8.0047

■ 36.0508, 34.3821,
5.8668

■ 39.1123, 39.1064,
11.1994

■ 34.8736, 32.3027,
4.6269

■ 41.0518, 41.7763,
15.5736

■ 34.4529, 31.5315,
4.2703

■ 43.2933, 44.6651,
21.2354

■ 45.8556, 47.7817,
28.2799

■ 48.7559, 51.1343,
36.7932

■ 52.0099, 54.7307,
46.8543

■ 55.6324, 58.5780,
58.5366

■ 59.6372, 62.6830,
71.9088

■ 64.0373, 67.0523,
87.0355

Harmonies

Analogous

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



46.8825, 36.6436, 12.0857



37.4526, 36.6436, 8.0047



28.7721, 36.6436, 9.0706

Triad

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



37.4526, 36.6436, 8.0047



20.9490, 36.6436, 61.3534



50.4363, 36.6436, 79.8796

Complementary

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



37.4526, 36.6436, 8.0047



16.7478, 13.9840, 59.5738

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.



41.6806, 36.6436, 107.0780



37.4526, 36.6436, 8.0047



25.0412, 36.6436, 93.5305

Square

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



37.4526, 36.6436, 8.0047



20.2159, 36.6436, 33.0052



32.3302, 36.6436, 112.9399



55.1884, 36.6436, 47.6908

Rectangle

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



37.4526, 36.6436, 8.0047



24.4470, 36.6436, 12.9128



32.3302, 36.6436, 112.9399



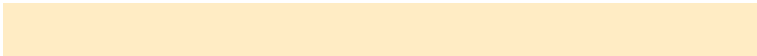
47.7982, 36.6436, 90.4014

Sweetspot

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



37.4534, 36.6454, 8.0054



81.2978, 85.3698, 64.6268



28.6242, 16.1156, 13.9145



17.0023, 17.8241, 12.6237



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.



37.4534, 36.6454, 8.0054



57.8433, 54.2200, 8.2248



40.9761, 53.4679, 11.0668



11.8389, 12.4668, 11.8618



21.5375, 19.8079, 2.6882



1.1778, 1.1553, 0.1609

Inverse Universe

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



16.7478, 13.9840, 59.5738



22.7063, 16.0098, 96.5012



15.0197, 8.1007, 58.5292



10.8904, 11.4212, 14.2009



8.1386, 5.3012, 36.5505



0.4885, 0.4108, 1.9085

Previews

White Background



This preview shows how the XYZ color 37.4526, 36.6436, 8.0047 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 37.4526, 36.6436, 8.0047 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 37.4526, 36.6436, 8.0047

Background



This preview shows how black text looks on a background with the XYZ color 37.4526, 36.6436, 8.0047.



This preview shows how white text looks on a background with the XYZ color 37.4526, 36.6436,

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

37.4526, 36.6436, 8.0047

Protanopia

33.4014, 36.8572, 8.4857

Deuteranopia

37.4526, 36.6436, 8.0047



Tritanopia

43.2775, 36.6481, 36.2453

Trichromacy



Original Color

37.4526, 36.6436, 8.0047

Protanomaly

34.8064, 36.7964, 8.2855

Deuteranomaly

37.4526, 36.6436, 8.0047

Tritanomaly

40.2528, 36.3346, 21.7213

Monochromacy



Original Color

37.4526, 36.6436, 8.0047

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.0062, 34.5359, 22.0660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4526, 36.6436, 8.0047 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(205, 155, 49)` looks like.

```
.text, #text, p{  
    color:rgb(205, 155, 49)  
}
```

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(205, 155, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 155, 49) }
```

Border

The CSS property to change the border of an element to XYZ 37.4526, 36.6436, 8.0047 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(205, 155, 49) }
```


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

```
.border{ border-color:rgb(205, 155, 49) }
```

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

Here you see how a box with a 4 pixel rgb(205, 155, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 155, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 155, 49);  
box-shadow:4px 4px 4px 4px rgb(205, 155,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4526, 36.6436, 8.0047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 155, 49) }
```

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

```
.background{ background-color: rgb(205,  
155, 49) }
```

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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