

Converting Colors

XYZ(37.4648, 37.9632, 5.3530)

Have a look what the booklet for
XYZ(37.4648, 37.9632, 5.3530)
contains.

XYZ(37.4726, 37.9790, 5.3557)	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(37.4726, 37.9790,
5.3557)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA000
RGB	204, 160, 0
RGB Percent	80%, 63%, 0%
CMY	0.2000, 0.3725, 0.9999
CMYK	0.00, 0.22, 1.00, 0.20
HSL	47°, 100%, 40%
HSV	47°, 100%, 80%
XYZ	37.4726, 37.9790, 5.3557
YIQ	154.9160, 77.5840, -40.4320

Conversions

Conversions Part 2

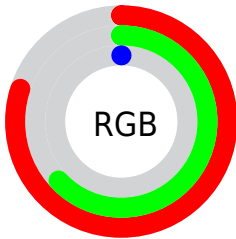
Format	Color
R_{YB}	56, 204, 0
Decimal	13410304
CIE _{Lab}	68.01, 4.54, 71.56
CIE _{LCh}	68, 71.701, 86.370
Yxy	37.9790, 0.4637, 0.4700
Android (android.graphics.Color)	4291600384 (0xFFCCA000)
YUV	154.9160, -76.3736, 43.0467
Hunter-Lab	61.6271, 0.6902, 37.9864

Details

The XYZ color **37.4726, 37.9790, 5.3557** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.8002, 6.1617, 57.6935**, and the grayscale version is **31.4236, 33.0600, 36.0024**.

A 20% lighter version of the original color is **66.5911, 69.8749, 16.8150**, and **17.1457, 16.9570, 2.3694** is the 20% darker color. If you saturate the color by 10%, you get **37.4728, 37.9797, 5.3558**, and if you desaturate by 10%, it is **38.3797, 39.5855, 6.2993**.

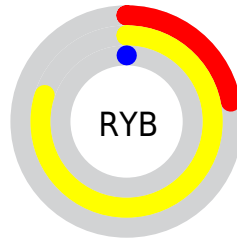
Distribution



Red (80%)

Green (63%)

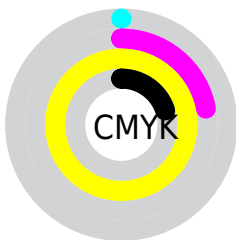
Blue (0%)



Red (22%)

Yellow (80%)

Blue (0%)

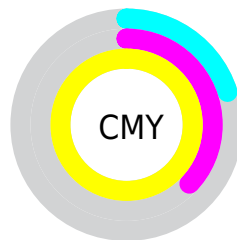


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4726, 37.9790, 5.3557 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 37.4726, 37.9790, 5.3557 by changing the saturation by 10% instead.


 37.4726, 37.9790,
5.3557


 37.4726, 37.9790,
5.3557


326.6722,
337.5299, 162.2759

 25.7490, 25.9664,
2.3951


 70.6082, 72.0759,
17.0321

 16.7676, 16.7985,
0.7838


 92.7508, 94.9291,
26.5850

 10.1632, 10.0909,
0.0000


 119.0972,
122.1645, 39.1724

 5.5704, 5.4593,
0.0000

 150.0126,
154.1666, 55.2129

 2.6238, 2.5192,
0.0000

 185.8625,
191.3198, 75.1249

 0.9581, 0.8862,
0.0000

 227.0122,

 0.0000, 0.0000,

234.0085, 99.3271

0.0000

273.8269,
282.6171, 128.2379

37.4726, 37.9790,
5.3557

37.4726, 37.9790,
5.3557

37.4728, 37.9797,
5.3558

38.3797, 39.5855,
6.2993

39.4503, 41.2995,
7.9733

40.7325, 43.1422,
10.6258

42.2517, 45.1242,
14.3891

44.0294, 47.2544,
19.3748

■ 46.0843, 49.5409,
25.6810

■ 48.4334, 51.9907,
33.3957

■ 51.0923, 54.6106,
42.5995

■ 54.0753, 57.4066,
53.3666

Harmonies

Analogous

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



49.3243, 37.9790, 8.3986



37.4726, 37.9790, 5.3557



27.3862, 37.9790, 7.1256

Triad

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



37.4726, 37.9790, 5.3557



20.0922, 37.9790, 75.0689



57.0588, 37.9790, 85.5430

Complementary

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



37.4726, 37.9790, 5.3557



11.8002, 6.1617, 57.6935

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.



46.4851, 37.9790, 124.3897



37.4726, 37.9790, 5.3557



25.4764, 37.9790, 116.4624

Square

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



37.4726, 37.9790, 5.3557



18.6475, 37.9790, 37.5852



34.7572, 37.9790, 137.9121



62.0070, 37.9790, 45.3639

Rectangle

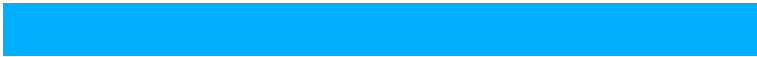
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4726, 37.9790, 5.3557



22.6947, 37.9790, 11.8035



34.7572, 37.9790, 137.9121



53.9505, 37.9790, 99.8513

Sweetspot

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



37.4734, 37.9809, 5.3564



80.0469, 85.9358, 54.7515



25.3603, 13.0210, 3.5805



16.7664, 18.0167, 10.4970



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.



37.4734, 37.9809, 5.3564



61.8952, 62.5704, 8.8151



33.4830, 49.3150, 7.7545



11.9405, 12.6700, 11.8957



23.6565, 24.0459, 3.3945



1.2729, 1.3454, 0.1926

Inverse Universe

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



11.8002, 6.1617, 57.6935



19.4160, 9.9520, 95.5053



12.6331, 5.2538, 57.4743



10.7946, 11.2297, 14.1690



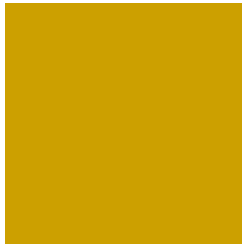
7.4833, 3.9905, 36.3321



0.4434, 0.3206, 1.8935

Previews

White Background



This preview shows how the XYZ color 37.4726, 37.9790, 5.3557 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 37.4726, 37.9790, 5.3557 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 37.4726, 37.9790, 5.3557

Background



This preview shows how black text looks on a background with the XYZ color 37.4726, 37.9790, 5.3557.



This preview shows how white text looks on a background with the XYZ color 37.4726, 37.9790,

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

37.4726, 37.9790, 5.3557

Protanopia

34.1845, 37.8591, 5.7930

Deuteranopia

38.7017, 37.8421, 5.6123



Tritanopia

44.2440, 38.0300, 38.2663

Trichromacy



Original Color

37.4726, 37.9790, 5.3557

Protanomaly

35.3007, 37.9015, 5.6275

Deuteranomaly

38.2831, 37.8811, 5.5238

Tritanomaly

40.0840, 37.2971, 17.6568

Monochromacy



Original Color

37.4726, 37.9790, 5.3557

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.5427, 33.8990, 16.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4726, 37.9790, 5.3557 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(204, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 160, 0)  
}
```

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(204, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.4726, 37.9790, 5.3557 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(204, 160, 0) }
```


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

```
.border{ border-color:rgb(204, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 160,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4726, 37.9790, 5.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 160, 0) }
```

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

```
.background{ background-color: rgb(204,  
160, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor