

Converting Colors

XYZ(37.6552, 37.2979, 5.2146)

Have a look what the booklet for
XYZ(37.6552, 37.2979, 5.2146)
contains.

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Color

**XYZ(37.7891, 37.3793,
5.2232)**

Conversions

Conversions Part 1

Format	Color
Hex	CF9D00
RGB	207, 157, 0
RGB Percent	81%, 62%, 0%
CMY	0.1882, 0.3843, 0.9999
CMYK	0.00, 0.24, 1.00, 0.19
HSL	46°, 100%, 41%
HSV	46°, 100%, 81%
XYZ	37.7891, 37.3793, 5.2232
YIQ	154.0520, 80.1970, -38.2270

Conversions

Conversions Part 2

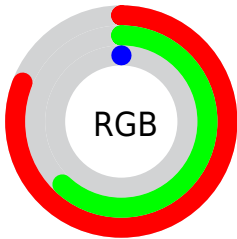
Format	Color
RYB	66, 207, 0
Decimal	13606144
CIELab	67.56, 7.48, 71.40
CIELCh	68, 71.791, 84.016
Yxy	37.3793, 0.4701, 0.4650
Android (android.graphics.Color)	4291796224 (0xFFCF9D00)
YUV	154.0520, -75.9476, 46.4354
Hunter-Lab	61.1386, 3.3363, 37.7318

Details

The XYZ color **37.7891, 37.3793, 5.2232** 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 **12.4035, 6.7868, 59.6873**, and the grayscale version is **31.0380, 32.6544, 35.5606**.

A 20% lighter version of the original color is **65.8388, 68.3703, 16.5642**, and **17.1867, 16.5111, 2.2811** is the 20% darker color. If you saturate the color by 10%, you get **37.7893, 37.3801, 5.2234**, and if you desaturate by 10%, it is **38.7859, 39.1609, 6.2102**.

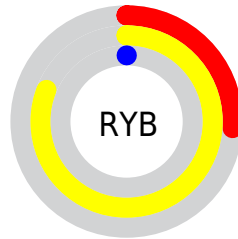
Distribution



Red (81%)

Green (62%)

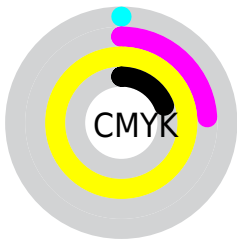
Blue (0%)



Red (26%)

Yellow (81%)

Blue (0%)

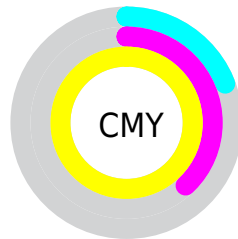


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7891, 37.3793, 5.2232 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 37.7891, 37.3793, 5.2232 by changing the saturation by 10% instead.

37.7891, 37.3793,
5.2232

37.7891, 37.3793,
5.2232

328.0109,
334.9498, 160.9808

25.9955, 25.5013,
2.3178

71.0908, 71.1558,
16.7448

16.9529, 16.4509,
0.7412

93.3295, 93.8230,
26.1981

10.2960, 9.8438,
0.0000

119.7808,
120.8555, 38.6712

5.6595, 5.2955,
0.0000

150.8098,
152.6376, 54.5824

2.6778, 2.4217,
0.0000

186.7819,
189.5536, 74.3505

0.9858, 0.8370,
0.0000

228.0626,

0.0000, 0.0000,

231.9881, 98.3939

0.0000

275.0172,
280.3253, 127.1311

37.7891, 37.3793,
5.2232

37.7891, 37.3793,
5.2232

37.7893, 37.3801,
5.2234

38.7859, 39.1609,
6.2102

39.9591, 41.0676,
7.9566

41.3580, 43.1212,
10.7171

43.0091, 45.3330,
14.6291

44.9347, 47.7125,
19.8084

■ 47.1546, 50.2682,
26.3568

■ 49.6864, 53.0077,
34.3655

■ 52.5464, 55.9382,
43.9180

■ 55.7493, 59.0662,
55.0914

Harmonies

Analogous

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



49.5294, 37.3793, 8.6504



37.7891, 37.3793, 5.2232



27.5640, 37.3793, 6.5822

Triad

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



37.7891, 37.3793, 5.2232



19.4411, 37.3793, 70.8235



55.6403, 37.3793, 87.9371

Complementary

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



37.7891, 37.3793, 5.2232



12.4035, 6.7868, 59.6873

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.



44.8946, 37.3793, 125.4103



37.7891, 37.3793, 5.2232



24.4502, 37.3793, 112.4523

Square

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



37.7891, 37.3793, 5.2232



18.3108, 37.3793, 34.6804



33.3588, 37.3793, 136.1541



61.1220, 37.3793, 47.3781

Rectangle

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



37.7891, 37.3793, 5.2232



22.7161, 37.3793, 10.7515



33.3588, 37.3793, 136.1541



52.4288, 37.3793, 102.0078

Sweetspot

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



37.7899, 37.3812, 5.2239



79.4724, 84.7869, 54.5600



26.3465, 13.5114, 4.4398



16.6281, 17.7400, 10.4508



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.



37.7899, 37.3812, 5.2239



60.4006, 59.5812, 8.3169



35.8789, 51.6190, 8.0728



12.5514, 13.2936, 12.5164



23.8860, 23.7050, 3.3166



1.3951, 1.4444, 0.2053

Inverse Universe

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



12.4035, 6.7868, 59.6873



19.7504, 10.6209, 95.6168



12.6664, 5.2290, 59.3728



11.3923, 11.8748, 14.9353



7.8768, 4.4001, 37.6266



0.5037, 0.3726, 2.1249

Previews

White Background



This preview shows how the XYZ color 37.7891, 37.3793, 5.2232 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 37.7891, 37.3793, 5.2232 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 37.7891, 37.3793, 5.2232

Background



This preview shows how black text looks on a background with the XYZ color 37.7891, 37.3793, 5.2232.



This preview shows how white text looks on a background with the XYZ color 37.7891, 37.3793,

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

37.7891, 37.3793, 5.2232

Protanopia

33.7652, 37.3735, 5.7508

Deuteranopia

38.2158, 37.3454, 5.3665



Tritanopia

44.3890, 37.4392, 36.7852

Trichromacy



Original Color

37.7891, 37.3793, 5.2232

Protanomaly

35.2068, 37.3253, 5.5499

Deuteranomaly

37.9228, 37.1956, 5.2956

Tritanomaly

40.3580, 36.7298, 17.0191

Monochromacy



Original Color

37.7891, 37.3793, 5.2232

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1595, 33.2088, 16.3229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7891, 37.3793, 5.2232 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(207, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 157, 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(207, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7891, 37.3793, 5.2232 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(207, 157, 0) }
```


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

```
.border{ border-color:rgb(207, 157, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7891, 37.3793, 5.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 157, 0) }
```

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

```
.background{ background-color: rgb(207,  
157, 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](#).

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