

Converting Colors

XYZ(37.8789, 36.5387, 5.2484)

Have a look what the booklet for
XYZ(37.8789, 36.5387, 5.2484)
contains.

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Color

**XYZ(37.7241, 36.3531,
5.2296)**

Conversions

Conversions Part 1

Format	Color
Hex	D19907
RGB	209, 153, 7
RGB Percent	82%, 60%, 3%
CMY	0.1804, 0.4000, 0.9725
CMYK	0.00, 0.27, 0.97, 0.18
HSL	43°, 94%, 42%
HSV	43°, 97%, 82%
XYZ	37.7241, 36.3531, 5.2296
YIQ	153.1000, 80.2420, -33.5340

Conversions

Conversions Part 2

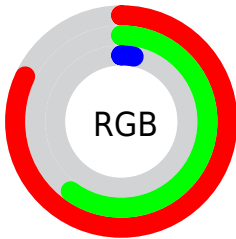
Format	Color
RYB	84, 209, 7
Decimal	13736199
CIELab	66.79, 10.60, 70.04
CIElCh	67, 70.837, 81.394
Yxy	36.3531, 0.4757, 0.4584
Android (android.graphics.Color)	4291926279 (0xFFD19907)
YUV	153.1000, -72.0273, 49.0243
Hunter-Lab	60.2935, 6.1691, 37.0629

Details

The XYZ color **37.7241, 36.3531, 5.2296** 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 **13.3743, 8.2045, 61.1999**, and the grayscale version is **30.6029, 32.1966, 35.0621**.

A 20% lighter version of the original color is **64.8924, 66.4215, 16.4216**, and **17.1458, 15.8923, 2.1638** is the 20% darker color. If you saturate the color by 10%, you get **37.3708, 35.7082, 4.9227**, and if you desaturate by 10%, it is **38.8666, 38.3660, 6.4501**.

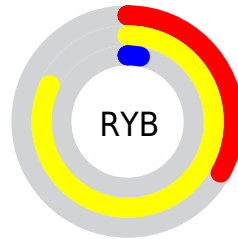
Distribution



Red (82%)

Green (60%)

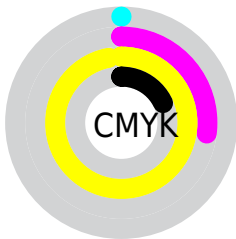
Blue (3%)



Red (33%)

Yellow (82%)

Blue (3%)

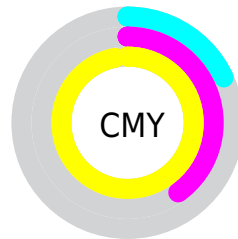


Cyan (0%)

Magenta (27%)

Yellow (97%)

Black (18%)



Cyan (18%)


Magenta (40%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7241, 36.3531, 5.2296 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 37.7241, 36.3531, 5.2296 by changing the saturation by 10% instead.


 37.7241, 36.3531,
5.2296


 37.7241, 36.3531,
5.2296


327.7363,
330.5013, 161.0437

 25.9449, 24.7070,
2.3215


 70.9917, 69.5767,
16.7587

 16.9149, 15.8589,
0.7432


 93.2108, 91.9231,
26.2169

 10.2687, 9.4244,
0.0000


 119.6405,
118.6049, 38.6955

 5.6411, 5.0190,
0.0000

 150.6462,
150.0067, 54.6130

 2.6667, 2.2584,
0.0000

 186.5933,
186.5129, 74.3881

 0.9801, 0.7516,
0.0000

 227.8471,

 0.0000, 0.0000,

228.5078, 98.4392

0.0000

274.7730,
276.3757, 127.1849

37.7241, 36.3531,
5.2296

37.7241, 36.3531,
5.2296

37.3708, 35.7082,
4.9227

38.8666, 38.3660,
6.4501

40.2267, 40.5392,
8.5898

41.8382, 42.8886,
11.8203

43.7268, 45.4256,
16.2737

45.9147, 48.1598,
22.0634

■ 48.4213, 51.1001,
29.2896

■ 51.2645, 54.2545,
38.0431

■ 54.4606, 57.6305,
48.4069

■ 58.0247, 61.2349,
60.4582

Harmonies

Analogous

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



49.0477, 36.3531, 9.0815



37.7241, 36.3531, 5.2296



27.5770, 36.3531, 6.1612

Triad

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



37.7241, 36.3531, 5.2296



18.7165, 36.3531, 65.2050



53.2557, 36.3531, 88.9145

Complementary

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



37.7241, 36.3531, 5.2296



13.3743, 8.2045, 61.1999

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.



42.6151, 36.3531, 123.7116



37.7241, 36.3531, 5.2296



23.2379, 36.3531, 105.8017

Square

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



37.7241, 36.3531, 5.2296



17.9393, 36.3531, 31.4025



31.5639, 36.3531, 131.1163



59.1522, 36.3531, 49.0720

Rectangle

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



37.7241, 36.3531, 5.2296



22.6543, 36.3531, 9.7897



31.5639, 36.3531, 131.1163



50.0226, 36.3531, 102.2922

Sweetspot

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



37.7249, 36.3549, 5.2303



79.1510, 83.7289, 55.7326



27.3028, 14.0804, 6.1656



16.5290, 17.4641, 10.6581



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.



37.7249, 36.3549, 5.2303



58.4449, 55.6699, 7.6650



38.4049, 53.6406, 8.5309



12.5148, 13.2204, 12.5042



23.1284, 22.1897, 3.0640



1.3580, 1.3702, 0.1929

Inverse Universe

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



13.3743, 8.2045, 61.1999



20.2836, 11.6872, 95.7945



12.9387, 5.4537, 60.6919



11.4266, 11.9435, 14.9467



8.0987, 4.8439, 37.7006



0.5200, 0.4052, 2.1304

Previews

White Background



This preview shows how the XYZ color 37.7241, 36.3531, 5.2296 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 37.7241, 36.3531, 5.2296 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 37.7241, 36.3531, 5.2296

Background



This preview shows how black text looks on a background with the XYZ color 37.7241, 36.3531, 5.2296.



This preview shows how white text looks on a background with the XYZ color 37.7241, 36.3531,

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

37.7241, 36.3531, 5.2296

Protanopia

32.9436, 36.4164, 5.7082

Deuteranopia

37.0092, 36.2330, 5.0431



Tritanopia

43.7417, 36.2448, 34.8275

Trichromacy



Original Color

37.7241, 36.3531, 5.2296

Protanomaly

34.4509, 36.1579, 5.4800

Deuteranomaly

37.3042, 36.3832, 5.1427

Tritanomaly

40.0197, 35.6240, 16.8234

Monochromacy



Original Color

37.7241, 36.3531, 5.2296

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.9251, 32.5868, 16.7165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7241, 36.3531, 5.2296 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(209, 153, 7)` looks like.

```
.text, #text, p{  
    color:rgb(209, 153, 7)  
}
```

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(209, 153, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 153, 7) }
```

Border

The CSS property to change the border of an element to XYZ 37.7241, 36.3531, 5.2296 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(209, 153, 7) }
```


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

```
.border{ border-color:rgb(209, 153, 7) }
```

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

Here you see how a box with a 4 pixel rgb(209, 153, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 153, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 153, 7);  
box-shadow:4px 4px 4px 4px rgb(209, 153,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7241, 36.3531, 5.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 153, 7) }
```

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

```
.background{ background-color: rgb(209,  
153, 7) }
```

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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