

Converting Colors

XYZ(39.4226, 37.6931, 6.5642)

Have a look what the booklet for
XYZ(39.4226, 37.6931, 6.5642)
contains.

XYZ(39.4226, 37.6931, 6.5642)	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(39.4226, 37.6931,
6.5642)**

Conversions

Conversions Part 1

Format	Color
Hex	D59B20
RGB	213, 155, 32
RGB Percent	84%, 61%, 13%
CMY	0.1647, 0.3921, 0.8745
CMYK	0.00, 0.27, 0.85, 0.16
HSL	41°, 74%, 48%
HSV	41°, 85%, 84%
XYZ	39.4226, 37.6931, 6.5642
YIQ	158.3200, 74.0510, -25.9570

Conversions

Conversions Part 2

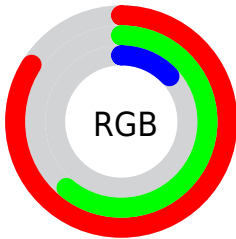
Format	Color
RYB	117, 213, 32
Decimal	13998880
CIELab	67.79, 11.70, 66.05
CIELCh	68, 67.079, 79.953
Yxy	37.6931, 0.4711, 0.4504
Android (android.graphics.Color)	4292188960 (0xFFD59B20)
YUV	158.3200, -62.2758, 47.9544
Hunter-Lab	61.3947, 7.1772, 36.6371

Details

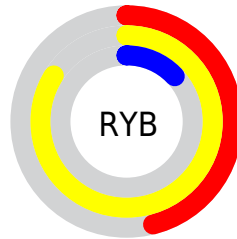
The XYZ color **39.4226, 37.6931, 6.5642** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **16.2620, 12.4233, 64.4911**, and the grayscale version is **32.8966, 34.6098, 37.6900**.

A 20% lighter version of the original color is **65.8859, 67.5991, 19.2482**, and **18.0872, 16.6729, 2.2649** is the 20% darker color. If you saturate the color by 10%, you get **38.1174, 35.4062, 5.1328**, and if you desaturate by 10%, it is **40.9805, 40.1869, 9.0021**.

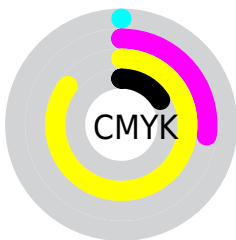
Distribution



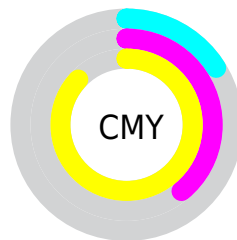
- Red (84%)
- Green (61%)
- Blue (13%)



- Red (46%)
- Yellow (84%)
- Blue (13%)



- Cyan (0%)
- Magenta (27%)
- Yellow (85%)
- Black (16%)





- Cyan (16%)
- Magenta (39%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4226, 37.6931, 6.5642 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 39.4226, 37.6931, 6.5642 by changing the saturation by 10% instead.


 39.4226, 37.6931,
6.5642


 39.4226, 37.6931,
6.5642

334.8602,
336.3016, 173.4829


 27.2708, 25.7446,
3.1168


 73.5734, 71.6375,
19.5887

 17.9144, 16.6327,
1.1546


 96.3032, 94.4022,
30.0029

 10.9878, 9.9729,
0.0000


 123.2897,
121.5410, 43.5764

 6.1259, 5.3810,
0.0000

 154.8982,
153.4384, 60.7278

 2.9632, 2.4725,
0.0000

 191.4942,
190.4788, 81.8756

 1.1343, 0.8628,
0.0000

 233.4429,

 0.0535, 0.0000,

233.0465, 107.4384

0.0000

281.1098,
281.5260, 137.8346

■ 0.0000, 0.0000,
0.0000

■ 39.4226, 37.6931,
6.5642

■ 39.4226, 37.6931,
6.5642

■ 38.1174, 35.4062,
5.1328

■ 40.9805, 40.1869,
9.0021

■ 37.5277, 34.3207,
4.6466

■ 42.8208, 42.8966,
12.6090

■ 44.9709, 45.8361,
17.5205

■ 47.4538, 49.0163,
23.8530

■ 50.2900, 52.4468,
31.7096

■ 53.4982, 56.1368,
41.1842

■ 57.0956, 60.0944,
52.3627

■ 61.0981, 64.3277,
65.3251

■ 65.5209, 68.8439,
80.1462

Harmonies

Analogous

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



50.2653, 37.6931, 10.9908



39.4226, 37.6931, 6.5642



29.4371, 37.6931, 7.3461

Triad

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



39.4226, 37.6931, 6.5642



20.1482, 37.6931, 63.8035



53.3821, 37.6931, 89.9063

Complementary

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



39.4226, 37.6931, 6.5642



16.2620, 12.4233, 64.4911

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.



43.0786, 37.6931, 121.6405



39.4226, 37.6931, 6.5642



24.4565, 37.6931, 102.2008

Square

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



39.4226, 37.6931, 6.5642



19.5465, 37.6931, 31.8541



32.4554, 37.6931, 126.9885



59.2946, 37.6931, 51.8443

Rectangle

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



39.4226, 37.6931, 6.5642



24.4760, 37.6931, 10.9657



32.4554, 37.6931, 126.9885



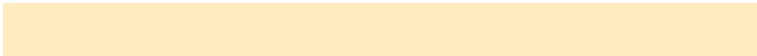
50.2338, 37.6931, 102.3121

Sweetspot

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



39.4234, 37.6950, 6.5649



80.2579, 84.2053, 61.4578



29.9035, 15.9579, 11.7067



16.7994, 17.5932, 12.0167



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.



39.4234, 37.6950, 6.5649



56.2400, 51.2600, 6.9300



43.5437, 57.7393, 10.2167



13.1218, 13.8177, 13.1362



23.0197, 21.1565, 2.8704



1.4617, 1.4226, 0.1976

Inverse Universe

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



16.2620, 12.4233, 64.4911



21.0452, 13.2103, 96.0484



14.5242, 6.8671, 63.5102



12.0642, 12.6518, 15.7437



8.6904, 5.6426, 39.0842



0.5981, 0.4881, 2.3820

Previews

White Background



This preview shows how the XYZ color 39.4226, 37.6931, 6.5642 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 39.4226, 37.6931, 6.5642 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 39.4226, 37.6931, 6.5642

Background



This preview shows how black text looks on a background with the XYZ color 39.4226, 37.6931, 6.5642.



This preview shows how white text looks on a background with the XYZ color 39.4226, 37.6931,

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

39.4226, 37.6931, 6.5642

Protanopia

34.1893, 37.8329, 7.0906

Deuteranopia

38.5988, 37.7682, 6.5519



Tritanopia

45.4049, 37.5287, 35.8610

Trichromacy



Original Color

39.4226, 37.6931, 6.5642

Protanomaly

35.9740, 37.6919, 6.8926

Deuteranomaly

38.7141, 37.5775, 6.5091

Tritanomaly

42.0196, 37.0573, 19.6900

Monochromacy



Original Color

39.4226, 37.6931, 6.5642

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.3417, 34.7488, 20.2791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4226, 37.6931, 6.5642 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(213, 155, 32)` looks like.

```
.text, #text, p{  
    color:rgb(213, 155, 32)  
}
```

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(213, 155, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 155, 32) }
```

Border

The CSS property to change the border of an element to XYZ 39.4226, 37.6931, 6.5642 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(213, 155, 32) }
```


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

```
.border{ border-color:rgb(213, 155, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 155, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 155, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 155, 32);  
box-shadow:4px 4px 4px 4px rgb(213, 155,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4226, 37.6931, 6.5642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 155, 32) }
```

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

```
.background{ background-color: rgb(213,  
155, 32) }
```

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