

Converting Colors

XYZ(37.0461, 40.6353, 4.1238)

Have a look what the booklet for
XYZ(37.0461, 40.6353, 4.1238)
contains.

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Color

**XYZ(37.5889, 40.9961,
5.9319)**

Conversions

Conversions Part 1

Format	Color
Hex	C5AB00
RGB	197, 171, 0
RGB Percent	77%, 67%, 0%
CMY	0.2275, 0.3294, 0.9999
CMYK	0.00, 0.13, 1.00, 0.23
HSL	52°, 100%, 39%
HSV	52°, 100%, 77%
XYZ	37.5889, 40.9961, 5.9319
YIQ	159.2800, 70.3870, -47.6690

Conversions

Conversions Part 2

Format	Color
R _Y B	30, 197, 0
Decimal	12954368
CIE Lab	70.17, -4.43, 72.76
CIE LCh	70, 72.891, 93.482
Yxy	40.9961, 0.4448, 0.4851
Android (android.graphics.Color)	4291144448 (0xFFC5AB00)
YUV	159.2800, -78.5250, 33.0804
Hunter-Lab	64.0282, -7.2577, 39.3268

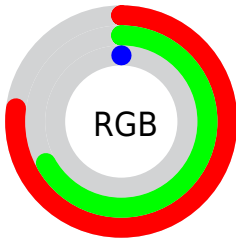
Details

The XYZ color **37.5889, 40.9961, 5.9319** 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 **10.4478, 4.7706, 53.1932**, and the grayscale version is **33.4108, 35.1507, 38.2792**.

A 20% lighter version of the original color is **69.8115, 76.2028, 18.2369**, and **17.0781, 18.5969, 2.6895** is the 20% darker color. If you saturate the color by 10%, you get **37.5893, 40.9972, 5.9321**, and if you desaturate by 10%, it is **38.2094, 42.0394, 6.7492**.

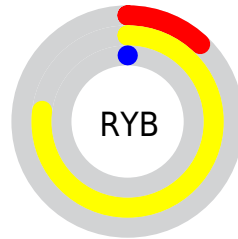
Distribution



Red (77%)

Green (67%)

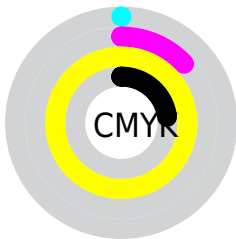
Blue (0%)



Red (12%)

Yellow (77%)

Blue (0%)

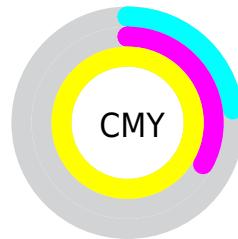


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5889, 40.9961, 5.9319 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 37.5889, 40.9961, 5.9319 by changing the saturation by 10% instead.


 37.5889, 40.9961,
5.9319


 37.5889, 40.9961,
5.9319


327.1646,
350.3043, 167.7468


 25.8395, 28.3160,
2.7356


 70.7856, 76.6780,
18.2646


 16.8357, 18.5640,
0.9613


 92.9636, 100.4486,
28.2381


 10.2120, 11.3557,
0.0000


 119.3485,
128.6848, 41.3077

 5.6031, 6.3066,
0.0000

 150.3057,
161.7711, 57.8920

 2.6436, 3.0324,
0.0000

 186.2006,
200.0918, 78.4095

 0.9682, 1.1487,
0.0000

 227.3985,

 0.0000, 0.0192,

244.0313, 103.2788

0.0000

274.2647,
293.9740, 132.9184

0.0000, 0.0000,
0.0000

37.5889, 40.9961,
5.9319

37.5889, 40.9961,
5.9319

37.5893, 40.9972,
5.9321

38.2094, 42.0394,
6.7492

38.9645, 43.1505,
8.2311

39.8992, 44.3490,
10.6109

41.0366, 45.6443,
14.0096

42.3961, 47.0443,
18.5296

■ 43.9950, 48.5559,
24.2606

■ 45.8485, 50.1853,
31.2834

■ 47.9707, 51.9383,
39.6718

■ 50.3747, 53.8200,
49.4939

Harmonies

Analogous

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



50.1313, 40.9961, 7.8818



37.5889, 40.9961, 5.9319



27.6309, 40.9961, 9.2055

Triad

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



37.5889, 40.9961, 5.9319



22.7932, 40.9961, 91.5759



63.3072, 40.9961, 80.8649

Complementary

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



37.5889, 40.9961, 5.9319



10.4478, 4.7706, 53.1932

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.



53.0403, 40.9961, 124.9140



37.5889, 40.9961, 5.9319



29.5946, 40.9961, 133.0062

Square

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



37.5889, 40.9961, 5.9319



20.2604, 40.9961, 48.7479



40.3754, 40.9961, 147.5687



66.6410, 40.9961, 40.7655

Rectangle

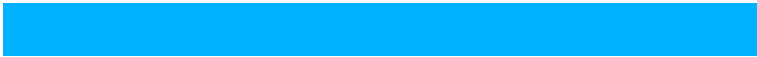
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.5889, 40.9961, 5.9319



23.2843, 40.9961, 15.8454



40.3754, 40.9961, 147.5687



60.4620, 40.9961, 96.2575

Sweetspot

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



37.5898, 40.9981, 5.9327



81.9498, 89.7417, 55.3858



23.2156, 11.9465, 2.0761



17.2262, 18.9363, 10.6502



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.



37.5898, 40.9981, 5.9327



67.1888, 73.1577, 10.5796



28.3905, 44.2752, 7.0501



11.3999, 12.1690, 11.3108



24.7683, 27.0537, 3.9165



1.2068, 1.3491, 0.1968

Inverse Universe

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



10.4478, 4.7706, 53.1932



18.6121, 8.3442, 95.2374



12.7689, 5.4187, 53.1960



10.1677, 10.5094, 13.4101



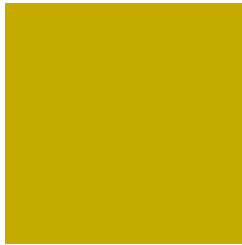
6.9069, 3.2078, 34.9995



0.3650, 0.2278, 1.6699

Previews

White Background



This preview shows how the XYZ color 37.5889, 40.9961, 5.9319 looks on a white background.

Color Contrast Check

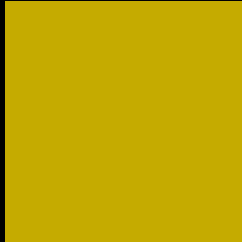
Large Text (above 18pt) WCAG AA × Fail

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 37.5889, 40.9961, 5.9319 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 37.5889, 40.9961, 5.9319

Background



This preview shows how black text looks on a background with the XYZ color 37.5889, 40.9961, 5.9319.

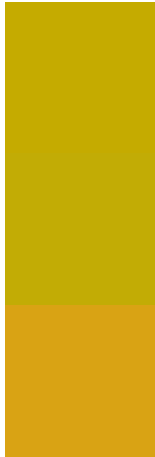


This preview shows how white text looks on a background with the XYZ color 37.5889, 40.9961,

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

37.5889, 40.9961, 5.9319

Protanopia

37.0281, 40.9853, 6.1030

Deuteranopia

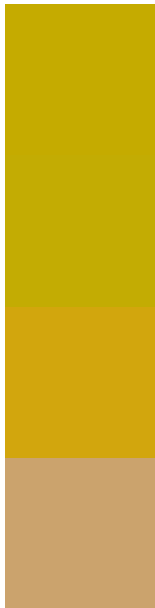
41.8387, 40.9966, 6.3698



Tritanopia

45.4809, 41.0019, 44.0451

Trichromacy



Original Color

37.5889, 40.9961, 5.9319

Protanomaly

37.2746, 41.1137, 6.0573

Deuteranomaly

40.2872, 41.0031, 6.1718

Tritanomaly

40.4861, 39.9950, 20.0540

Monochromacy



Original Color

37.5889, 40.9961, 5.9319

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6797, 36.0182, 17.5417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5889, 40.9961, 5.9319 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(197, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 171, 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(197, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.5889, 40.9961, 5.9319 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(197, 171, 0) }
```


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

```
.border{ border-color:rgb(197, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 171,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5889, 40.9961, 5.9319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 171, 0) }
```

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

```
.background{ background-color: rgb(197,  
171, 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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