

Converting Colors

XYZ(35.3077, 37.0915, 2.8787)

Have a look what the booklet for
XYZ(35.3077, 37.0915, 2.8787)
contains.

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Color

**XYZ(35.7708, 37.3601,
5.3259)**

Conversions

Conversions Part 1

Format	Color
Hex	C5A100
RGB	197, 161, 0
RGB Percent	77%, 63%, 0%
CMY	0.2275, 0.3686, 0.9999
CMYK	0.00, 0.18, 1.00, 0.23
HSL	49°, 100%, 39%
HSV	49°, 100%, 77%
XYZ	35.7708, 37.3601, 5.3259
YIQ	153.4100, 73.1370, -42.4390

Conversions

Conversions Part 2

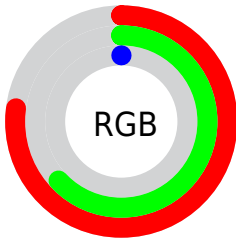
Format	Color
RYB	44, 197, 0
Decimal	12951808
CIELab	67.55, 0.88, 70.90
CIElCh	68, 70.908, 89.288
Yxy	37.3601, 0.4559, 0.4762
Android (android.graphics.Color)	4291141888 (0xFFC5A100)
YUV	153.4100, -75.6311, 38.2284
Hunter-Lab	61.1229, -2.5020, 37.6198

Details

The XYZ color **35.7708, 37.3601, 5.3259** 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 **10.7092, 5.2935, 53.2800**, and the grayscale version is **30.7563, 32.3580, 35.2379**.

A 20% lighter version of the original color is **66.8449, 70.3827, 16.8996**, and **16.0572, 16.5551, 2.3492** is the 20% darker color. If you saturate the color by 10%, you get **35.7711, 37.3609, 5.3260**, and if you desaturate by 10%, it is **36.5335, 38.6878, 6.1905**.

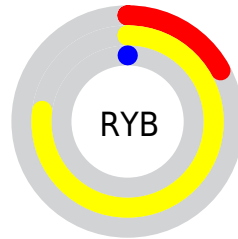
Distribution



Red (77%)

Green (63%)

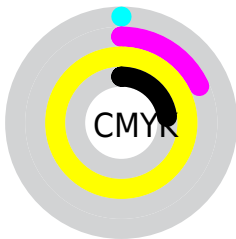
Blue (0%)



Red (17%)

Yellow (77%)

Blue (0%)

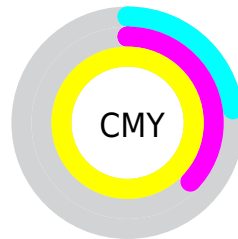


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7708, 37.3601, 5.3259 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 35.7708, 37.3601, 5.3259 by changing the saturation by 10% instead.


 35.7708, 37.3601,
5.3259


 35.7708, 37.3601,
5.3259


319.4064,
334.8669, 161.9859


 24.4265, 25.4864,
2.3777


 68.0043, 71.1263,
16.9677

 15.7768, 16.4398,
0.7742


 89.6243, 93.7876,
26.4983


 9.4562, 9.8359,
0.0000


 115.4002,
120.8135, 39.0600

 5.0994, 5.2903,
0.0000

 145.6974,
152.5885, 55.0716

 2.3410, 2.4186,
0.0000

 180.8813,
189.4970, 74.9514

 0.8155, 0.8354,
0.0000

 221.3172,

 0.0000, 0.0000,

231.9232, 99.1180

0.0000

267.3704,
280.2518, 127.9900

35.7708, 37.3601,
5.3259

35.7708, 37.3601,
5.3259

35.7711, 37.3609,
5.3260

36.5335, 38.6878,
6.1905

37.4393, 40.1004,
7.7226

38.5334, 41.6178,
10.1554

39.8390, 43.2495,
13.6100

41.3755, 45.0034,
18.1888

■ 43.1602, 46.8868,
23.9816

■ 45.2086, 48.9060,
31.0692

■ 47.5348, 51.0669,
39.5254

■ 50.1518, 53.3750,
49.4183

Harmonies

Analogous

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



47.3358, 37.3601, 7.8055



35.7708, 37.3601, 5.3259



26.2048, 37.3601, 7.5599

Triad

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



35.7708, 37.3601, 5.3259



20.1770, 37.3601, 77.7124



56.7689, 37.3601, 79.7190

Complementary

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



35.7708, 37.3601, 5.3259



10.7092, 5.2935, 53.2800

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.



46.7914, 37.3601, 118.7867



35.7708, 37.3601, 5.3259



25.8381, 37.3601, 117.2690

Square

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



35.7708, 37.3601, 5.3259



18.3939, 37.3601, 39.9373



35.2498, 37.3601, 135.1660



60.8846, 37.3601, 41.4294

Rectangle

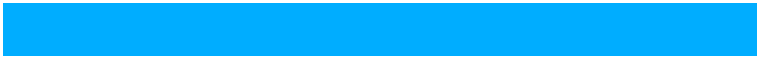
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.7708, 37.3601, 5.3259



21.8649, 37.3601, 12.7301



35.2498, 37.3601, 135.1660



53.9006, 37.3601, 93.7891

Sweetspot

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



35.7716, 37.3619, 5.3266



80.7879, 87.4180, 54.9985



23.3463, 11.9987, 2.7649



16.9452, 18.3742, 10.5565



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.



35.7716, 37.3619, 5.3266



63.8950, 66.5699, 9.4817



29.8969, 45.0516, 7.1205



11.3528, 12.0747, 11.2950



23.5849, 24.6869, 3.5220



1.1608, 1.2571, 0.1815

Inverse Universe

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



10.7092, 5.2935, 53.2800



19.0504, 9.2207, 95.3835



12.0894, 5.0684, 53.1638



10.2109, 10.5958, 13.4245



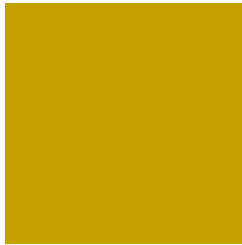
7.0885, 3.5710, 35.0600



0.3847, 0.2672, 1.6764

Previews

White Background



This preview shows how the XYZ color 35.7708, 37.3601, 5.3259 looks on a white background.

Color Contrast Check

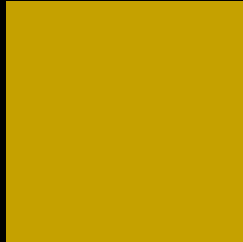
Large Text (above 18pt) WCAG AA × Fail

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 35.7708, 37.3601, 5.3259 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 35.7708, 37.3601, 5.3259

Background



This preview shows how black text looks on a background with the XYZ color 35.7708, 37.3601, 5.3259.



This preview shows how white text looks on a background with the XYZ color 35.7708, 37.3601,

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

35.7708, 37.3601, 5.3259

Protanopia

33.7487, 37.3669, 5.6635

Deuteranopia

37.9871, 37.2213, 5.6342



Tritanopia

42.5162, 37.3650, 38.6895

Trichromacy



Original Color

35.7708, 37.3601, 5.3259

Protanomaly

34.5381, 37.5090, 5.5632

Deuteranomaly

37.1835, 37.3130, 5.5295

Tritanomaly

38.3110, 36.6271, 17.6209

Monochromacy



Original Color

35.7708, 37.3601, 5.3259

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4083, 33.0750, 16.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7708, 37.3601, 5.3259 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, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 161, 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, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.7708, 37.3601, 5.3259 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, 161, 0) }
```


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

```
.border{ border-color:rgb(197, 161, 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, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 161,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7708, 37.3601, 5.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 161, 0) }
```

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

```
.background{ background-color: rgb(197,  
161, 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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