

Converting Colors

XYZ(37.1752, 40.8128, 7.6252)

Have a look what the booklet for
XYZ(37.1752, 40.8128, 7.6252)
contains.

XYZ(37.1295, 40.7225, 7.5724)	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(37.1295, 40.7225,
7.5724)**

Conversions

Conversions Part 1

Format	Color
Hex	C2AB24
RGB	194, 171, 36
RGB Percent	76%, 67%, 14%
CMY	0.2392, 0.3294, 0.8588
CMYK	0.00, 0.12, 0.81, 0.24
HSL	51°, 69%, 45%
HSV	51°, 81%, 76%
XYZ	37.1295, 40.7225, 7.5724
YIQ	162.4870, 57.0430, -37.1090

Conversions

Conversions Part 2

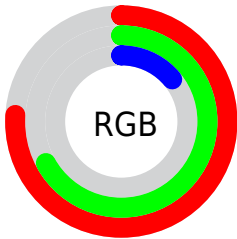
Format	Color
RYB	63, 194, 36
Decimal	12757796
CIELab	69.98, -5.10, 66.00
CIELCh	70, 66.193, 94.419
Yxy	40.7225, 0.4346, 0.4767
Android (android.graphics.Color)	4290947876 (0xFFC2AB24)
YUV	162.4870, -62.3581, 27.6369
Hunter-Lab	63.8142, -7.8168, 37.6344

Details

The XYZ color **37.1295, 40.7225, 7.5724** is a dark color, and the websafe version is hex **999900**. The color can be described as middle muted orange. A complement of this color would be **12.0293, 7.3982, 51.8326**, and the grayscale version is **34.8376, 36.6519, 39.9139**.

A 20% lighter version of the original color is **70.0898, 76.2717, 21.6175**, and **16.7502, 18.4279, 2.6741** is the 20% darker color. If you saturate the color by 10%, you get **36.3823, 39.5809, 6.2366**, and if you desaturate by 10%, it is **38.0503, 41.9549, 9.7584**.

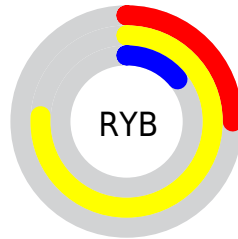
Distribution



Red (76%)

Green (67%)

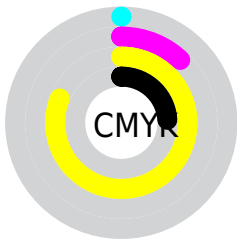
Blue (14%)



Red (25%)

Yellow (76%)

Blue (14%)

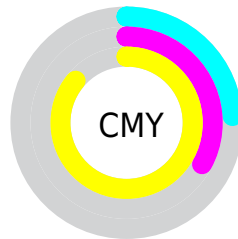


Cyan (0%)

Magenta (12%)

Yellow (81%)

Black (24%)



Cyan (24%)

Magenta (33%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1295, 40.7225, 7.5724 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 37.1295, 40.7225, 7.5724 by changing the saturation by 10% instead.

37.1295, 40.7225,
7.5724

37.1295, 40.7225,
7.5724

325.2166,
349.1595, 182.1461

25.4819, 28.1023,
3.7388

70.0845, 76.2625,
21.6480

16.5671, 18.4028,
1.4831

92.1225, 99.9510,
32.7270

10.0197, 11.2396,
0.2053

118.3548,
128.0978, 47.0582

5.4744, 6.2282,
0.0000

149.1466,
161.0873, 65.0601

2.5658, 2.9843,
0.0000

184.8634,
199.3038, 87.1513

0.9286, 1.1236,
0.0000

225.8704,

0.0000, 0.0000,

243.1317, 113.7504

0.0000

272.5330,
292.9555, 145.2758

■ 37.1295, 40.7225,
7.5724

■ 37.1295, 40.7225,
7.5724

■ 36.3823, 39.5809,
6.2366

■ 38.0503, 41.9549,
9.7584

■ 35.8415, 38.6563,
5.5724

■ 39.1649, 43.2816,
12.9119

■ 40.4932, 44.7123,
17.1344

■ 42.0522, 46.2537,
22.5138

■ 43.8567, 47.9121,
29.1290

■ 45.9205, 49.6930,
37.0519

■ 48.2564, 51.6015,
46.3489

■ 50.8760, 53.6426,
57.0818

■ 53.7905, 55.8207,
69.3088

Harmonies

Analogous

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



48.3688, 40.7225, 9.4466



37.1295, 40.7225, 7.5724



28.1266, 40.7225, 11.1748

Triad

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



37.1295, 40.7225, 7.5724



23.9941, 40.7225, 87.0985



60.5870, 40.7225, 75.2484

Complementary

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



37.1295, 40.7225, 7.5724



12.0293, 7.3982, 51.8326

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.



51.6513, 40.7225, 113.6001



37.1295, 40.7225, 7.5724



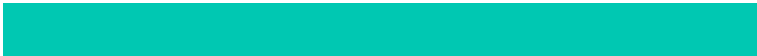
30.4235, 40.7225, 122.3857

Square

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



37.1295, 40.7225, 7.5724



21.4916, 40.7225, 49.0754



40.3255, 40.7225, 133.8342



63.2837, 40.7225, 39.9192

Rectangle

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



37.1295, 40.7225, 7.5724



24.1700, 40.7225, 17.9817



40.3255, 40.7225, 133.8342



58.1412, 40.7225, 88.6556

Sweetspot

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



37.1304, 40.7245, 7.5732



82.0473, 89.0593, 62.6549



23.6869, 13.0546, 5.5056



17.6691, 19.2459, 12.5740



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.



37.1304, 40.7245, 7.5732



65.0053, 70.1298, 10.2552



30.2080, 44.1741, 8.6039



10.7845, 11.5004, 10.7133



23.6114, 25.5086, 3.6792



1.0550, 1.1718, 0.1706

Inverse Universe

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



12.0293, 7.3982, 51.8326



18.5002, 8.6792, 93.1700



14.7130, 7.3968, 51.6909



9.6440, 9.9793, 12.7027



6.7162, 3.1889, 33.8182



0.3290, 0.2154, 1.4741

Previews

White Background



This preview shows how the XYZ color 37.1295, 40.7225, 7.5724 looks on a white background.

Color Contrast Check

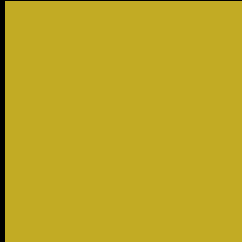
Large Text (above 18pt) WCAG AA × Fail

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 37.1295, 40.7225, 7.5724 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 37.1295, 40.7225, 7.5724

Background



This preview shows how black text looks on a background with the XYZ color 37.1295, 40.7225, 7.5724.



This preview shows how white text looks on a background with the XYZ color 37.1295, 40.7225,

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

37.1295, 40.7225, 7.5724

Protanopia

37.0633, 40.9699, 7.6236

Deuteranopia

41.3449, 40.4478, 7.7259



Tritanopia

44.7464, 40.6122, 44.5103

Trichromacy



Original Color

37.1295, 40.7225, 7.5724

Protanomaly

37.0633, 40.9699, 7.6236

Deuteranomaly

39.5535, 40.3221, 7.6177

Tritanomaly

40.4918, 39.9038, 24.3070

Monochromacy



Original Color

37.1295, 40.7225, 7.5724

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0631, 37.1699, 21.9022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1295, 40.7225, 7.5724 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(194, 171, 36)` looks like.

```
.text, #text, p{  
    color:rgb(194, 171, 36)  
}
```

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(194, 171, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 171, 36) }
```

Border

The CSS property to change the border of an element to XYZ 37.1295, 40.7225, 7.5724 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(194, 171, 36) }
```


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

```
.border{ border-color:rgb(194, 171, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 171, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 171, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 171, 36);  
box-shadow:4px 4px 4px 4px rgb(194, 171,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1295, 40.7225, 7.5724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 171, 36) }
```

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

```
.background{ background-color: rgb(194,  
171, 36) }
```

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