

Converting Colors

XYZ(40.7886, 40.7620, 7.3873)

Have a look what the booklet for
XYZ(40.7886, 40.7620, 7.3873)
contains.

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Color

**XYZ(40.7453, 40.6753,
7.3727)**

Conversions

Conversions Part 1

Format	Color
Hex	D4A424
RGB	212, 164, 36
RGB Percent	83%, 64%, 14%
CMY	0.1686, 0.3568, 0.8588
CMYK	0.00, 0.23, 0.83, 0.17
HSL	44°, 71%, 49%
HSV	44°, 83%, 83%
XYZ	40.7453, 40.6753, 7.3727
YIQ	163.7600, 69.6960, -29.6320

Conversions

Conversions Part 2

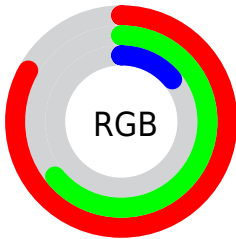
Format	Color
RYB	102, 212, 36
Decimal	13935652
CIELab	69.95, 6.54, 66.67
CIELCh	70, 66.988, 84.395
Yxy	40.6753, 0.4589, 0.4581
Android (android.graphics.Color)	4292125732 (0xFFD4A424)
YUV	163.7600, -62.9857, 42.3065
Hunter-Lab	63.7772, 2.4281, 37.7901

Details

The XYZ color **40.7453, 40.6753, 7.3727** 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 **15.7817, 11.4692, 63.6690**, and the grayscale version is **35.4404, 37.2860, 40.6045**.

A 20% lighter version of the original color is **68.5919, 72.7312, 21.0130**, and **19.0420, 18.5826, 2.5832** is the 20% darker color. If you saturate the color by 10%, you get **39.5012, 38.5612, 5.8058**, and if you desaturate by 10%, it is **42.2297, 42.9640, 9.9650**.

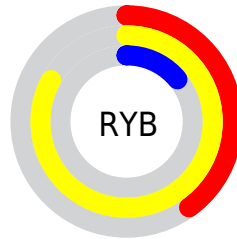
Distribution



Red (83%)

Green (64%)

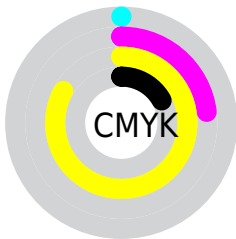
Blue (14%)



Red (40%)

Yellow (83%)

Blue (14%)

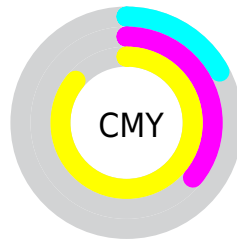


Cyan (0%)

Magenta (23%)

Yellow (83%)

Black (17%)



Cyan (17%)

Magenta (36%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7453, 40.6753, 7.3727 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 40.7453, 40.6753, 7.3727 by changing the saturation by 10% instead.

40.7453, 40.6753,
7.3727

40.7453, 40.6753,
7.3727

340.3358,
348.9617, 180.4724

28.3069, 28.0655,
3.6143

75.5743, 76.1907,
21.2447

18.6988, 18.3750,
1.4162

98.6955, 99.8651,
32.1953

11.5555, 11.2196,
0.1543

126.1085,
127.9965, 46.3804

6.5118, 6.2147,
0.0000

158.1785,
160.9692, 64.2186

3.2023, 2.9761,
0.0000

195.2708,
199.1677, 86.1283

1.2616, 1.1193,
0.0000

237.7509,

0.1542, 0.0000,

242.9764, 112.5282

0.0000

285.9841,
292.7796, 143.8367

■ 0.0000, 0.0000,
0.0000

■ 40.7453, 40.6753,
7.3727

■ 40.7453, 40.6753,
7.3727

■ 39.5012, 38.5612,
5.8058

■ 42.2297, 42.9640,
9.9650

■ 38.7377, 37.1699,
5.1328

■ 43.9818, 45.4345,
13.7359

■ 46.0275, 48.0995,
18.8150

■ 48.3886, 50.9688,
25.3144

■ 51.0847, 54.0512,
33.3339

■ 54.1334, 57.3545,
42.9644

■ 57.5514, 60.8864,
54.2896

■ 61.3537, 64.6537,
67.3873

■ 65.5549, 68.6630,
82.3305

Harmonies

Analogous

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



52.2009, 40.6753, 11.2041



40.7453, 40.6753, 7.3727



30.6294, 40.6753, 9.0177

Triad

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



40.7453, 40.6753, 7.3727



22.5336, 40.6753, 74.0163



58.3418, 40.6753, 89.2668

Complementary

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



40.7453, 40.6753, 7.3727



15.7817, 11.4692, 63.6690

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.



47.9858, 40.6753, 124.5990



40.7453, 40.6753, 7.3727



27.6911, 40.6753, 113.2704

Square

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



40.7453, 40.6753, 7.3727



21.3195, 40.6753, 38.6776



36.6484, 40.6753, 134.9898



63.5139, 40.6753, 50.4174

Rectangle

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



40.7453, 40.6753, 7.3727



25.7663, 40.6753, 13.7417



36.6484, 40.6753, 134.9898



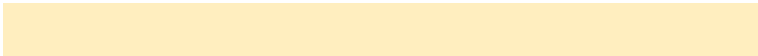
55.2672, 40.6753, 102.5602

Sweetspot

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



40.7462, 40.6773, 7.3735



81.1341, 85.9579, 61.7499



29.4568, 15.9289, 10.2989



17.0101, 18.0147, 12.0870



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.



40.7462, 40.6773, 7.3735



58.6855, 56.1511, 7.7452



41.2879, 56.1976, 10.3407



13.1732, 13.9205, 13.1533



24.0021, 23.1213, 3.1978



1.5149, 1.5290, 0.2153

Inverse Universe

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



15.7817, 11.4692, 63.6690



20.2114, 11.5429, 95.7705



15.3493, 7.4769, 62.9212



12.0154, 12.5543, 15.7275



8.3366, 4.9351, 38.9663



0.5718, 0.4356, 2.3733

Previews

White Background



This preview shows how the XYZ color 40.7453, 40.6753, 7.3727 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 40.7453, 40.6753, 7.3727 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 40.7453, 40.6753, 7.3727

Background



This preview shows how black text looks on a background with the XYZ color 40.7453, 40.6753, 7.3727.



This preview shows how white text looks on a background with the XYZ color 40.7453, 40.6753,

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

40.7453, 40.6753, 7.3727

Protanopia

37.0947, 40.9824, 7.7890

Deuteranopia

41.5732, 40.5732, 7.3905



Tritanopia

47.6073, 40.6784, 40.4645

Trichromacy



Original Color

40.7453, 40.6753, 7.3727

Protanomaly

38.3413, 40.7889, 7.6025

Deuteranomaly

41.4555, 40.7750, 7.4357

Tritanomaly

43.8831, 40.1500, 22.2665

Monochromacy



Original Color

40.7453, 40.6753, 7.3727

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.5424, 37.6590, 22.2253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7453, 40.6753, 7.3727 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(212, 164, 36)` looks like.

```
.text, #text, p{  
    color:rgb(212, 164, 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(212, 164, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 164, 36) }
```

Border

The CSS property to change the border of an element to XYZ 40.7453, 40.6753, 7.3727 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(212, 164, 36) }
```


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

```
.border{ border-color:rgb(212, 164, 36) }
```

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

Here you see how a box with a 4 pixel rgb(212, 164, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 164, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 164, 36);  
box-shadow:4px 4px 4px 4px rgb(212, 164,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7453, 40.6753, 7.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 164, 36) }
```

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

```
.background{ background-color: rgb(212,  
164, 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](#).

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