

Converting Colors

XYZ(42.4447, 47.9232, 7.0130)

Have a look what the booklet for
XYZ(42.4447, 47.9232, 7.0130)
contains.

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Color

**XYZ(42.4607, 47.9552,
7.0184)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBA00
RGB	204, 186, 0
RGB Percent	80%, 73%, 0%
CMY	0.2000, 0.2706, 0.9999
CMYK	0.00, 0.09, 1.00, 0.20
HSL	55°, 100%, 40%
HSV	55°, 100%, 80%
XYZ	42.4607, 47.9552, 7.0184
YIQ	170.1780, 70.4340, -54.0300

Conversions

Conversions Part 2

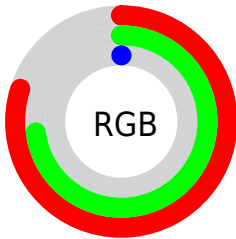
Format	Color
RYB	20, 204, 0
Decimal	13416960
CIELab	74.80, -9.14, 76.36
CIELCh	75, 76.901, 96.826
Yxy	47.9552, 0.4358, 0.4922
Android (android.graphics.Color)	4291607040 (0xFFCCBA00)
YUV	170.1780, -83.8978, 29.6619
Hunter-Lab	69.2497, -11.7390, 42.4658

Details

The XYZ color **42.4607, 47.9552, 7.0184** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **11.1158, 4.7928, 57.4653**, and the grayscale version is **38.6808, 40.6952, 44.3171**.

A 20% lighter version of the original color is **74.4773, 85.3583, 20.3350**, and **20.0646, 22.7948, 3.3423** is the 20% darker color. If you saturate the color by 10%, you get **42.4613, 47.9566, 7.0186**, and if you desaturate by 10%, it is **42.9732, 48.7725, 7.8308**.

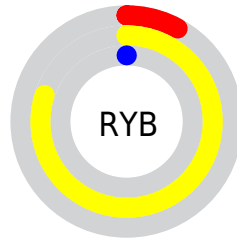
Distribution



Red (80%)

Green (73%)

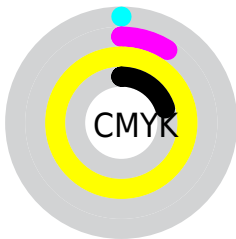
Blue (0%)



Red (8%)

Yellow (80%)

Blue (0%)

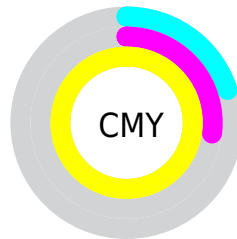


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4607, 47.9552, 7.0184 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 42.4607, 47.9552, 7.0184 by changing the saturation by 10% instead.

■ 42.4607, 47.9552,
7.0184

■ 42.4607, 47.9552,
7.0184

347.3484,
378.6145, 177.4532

■ 29.6549, 33.7914,
3.3950

■ 78.1572, 87.1377,
20.5237

■ 19.7236, 22.7334,
1.2997

■ 101.7786,
112.9252, 31.2427

■ 12.3013, 14.3968,
0.0615

■ 129.7359,
143.3561, 45.1640

■ 7.0229, 8.3971,
0.0000

■ 162.3945,
178.8147, 62.7060

■ 3.5229, 4.3501,
0.0000

■ 200.1196,
219.6854, 84.2875

■ 1.4359, 1.8713,
0.0000

■ 243.2768,

■ 0.2816, 0.5310,

266.3527, 110.3268

0.0000

292.2312,
319.2010, 141.2425

■ 0.0000, 0.0000,
0.0000

■ 42.4607, 47.9552,
7.0184

■ 42.4607, 47.9552,
7.0184

■ 42.4613, 47.9566,
7.0186

■ 42.9732, 48.7725,
7.8308

■ 43.6266, 49.6520,
9.3659

■ 44.4689, 50.6147,
11.8720

■ 45.5252, 51.6707,
15.4812

■ 46.8167, 52.8286,
20.3052

■ 48.3620, 54.0958,
26.4419

■ 50.1779, 55.4790,
33.9793

■ 52.2797, 56.9844,
42.9977

■ 54.6813, 58.6176,
53.5714

Harmonies

Analogous

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



56.9922, 47.9552, 8.6119



42.4607, 47.9552, 7.0184



31.2977, 47.9552, 11.6655

Triad

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



42.4607, 47.9552, 7.0184



27.2782, 47.9552, 113.2499



75.0110, 47.9552, 88.7281

Complementary

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



42.4607, 47.9552, 7.0184



11.1158, 4.7928, 57.4653

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.



63.6556, 47.9552, 141.2047



42.4607, 47.9552, 7.0184



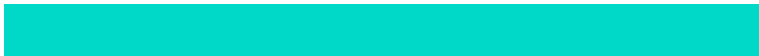
35.8030, 47.9552, 159.7104

Square

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



42.4607, 47.9552, 7.0184



23.7683, 47.9552, 61.9047



48.8484, 47.9552, 171.9439



77.8014, 47.9552, 43.5933

Rectangle

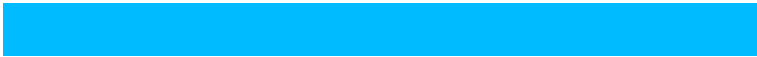
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.4607, 47.9552, 7.0184



26.5868, 47.9552, 20.4131



48.8484, 47.9552, 171.9439



71.9706, 47.9552, 106.6528

Sweetspot

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



42.4618, 47.9575, 7.0194



82.9711, 91.7842, 55.7263



25.0318, 12.8897, 1.8502



17.4739, 19.4317, 10.7328



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.



42.4618, 47.9575, 7.0194



70.2393, 79.2585, 11.5964



29.6767, 47.3527, 7.5765



12.0659, 12.9208, 11.9375



26.7609, 30.2547, 4.4293



1.4060, 1.6116, 0.2370

Inverse Universe

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



11.1158, 4.7928, 57.4653



18.3464, 7.8129, 95.1488



14.3453, 6.1366, 57.5545



10.6800, 11.0004, 14.1308



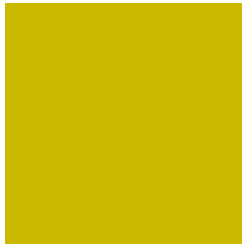
7.0255, 3.0750, 36.1795



0.3905, 0.2148, 1.8758

Previews

White Background



This preview shows how the XYZ color 42.4607, 47.9552, 7.0184 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 42.4607, 47.9552, 7.0184 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 42.4607, 47.9552, 7.0184

Background



This preview shows how black text looks on a background with the XYZ color 42.4607, 47.9552, 7.0184.

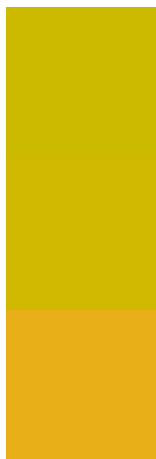


This preview shows how white text looks on a background with the XYZ color 42.4607, 47.9552,

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

42.4607, 47.9552, 7.0184

Protanopia

43.3614, 48.1078, 7.0003

Deuteranopia

49.1097, 48.0538, 7.6066



Tritanopia

51.8308, 47.8794, 52.9642

Trichromacy



Original Color

42.4607, 47.9552, 7.0184

Protanomaly

43.0811, 47.9633, 6.9872

Deuteranomaly

46.3378, 47.8072, 7.2757

Tritanomaly

46.0544, 46.9977, 23.7837

Monochromacy



Original Color

42.4607, 47.9552, 7.0184

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5235, 42.0785, 20.3316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4607, 47.9552, 7.0184 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(204, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 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(204, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.4607, 47.9552, 7.0184 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(204, 186, 0) }
```


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

```
.border{ border-color:rgb(204, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4607, 47.9552, 7.0184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 0) }
```

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

```
.background{ background-color: rgb(204,  
186, 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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