

Converting Colors

XYZ(40.4960, 42.3441, 12.8763)

Have a look what the booklet for
XYZ(40.4960, 42.3441, 12.8763)
contains.

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Color

**XYZ(40.4960, 42.3441,
12.8763)**

Conversions

Conversions Part 1

Format	Color
Hex	CBAB4C
RGB	203, 171, 76
RGB Percent	80%, 67%, 30%
CMY	0.2039, 0.3294, 0.7020
CMYK	0.00, 0.16, 0.63, 0.20
HSL	45°, 55%, 55%
HSV	45°, 63%, 80%
XYZ	40.4960, 42.3441, 12.8763
YIQ	169.7380, 49.5670, -22.7610

Conversions

Conversions Part 2

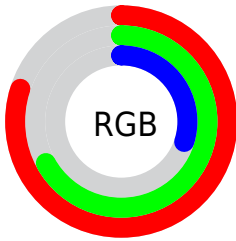
Format	Color
RYB	119, 203, 76
Decimal	13347660
CIELab	71.11, 0.77, 52.02
CIELCh	71, 52.022, 89.148
Yxy	42.3441, 0.4231, 0.4424
Android (android.graphics.Color)	4291537740 (0xFFCBAB4C)
YUV	169.7380, -46.2128, 29.1708
Hunter-Lab	65.0723, -2.7920, 33.8185

Details

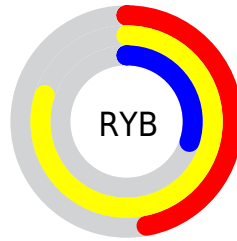
The XYZ color **40.4960, 42.3441, 12.8763** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **19.1223, 16.5728, 58.6906**, and the grayscale version is **38.2844, 40.2782, 43.8630**.

A 20% lighter version of the original color is **72.3326, 77.2112, 31.5130**, and **18.5957, 19.3626, 3.5163** is the 20% darker color. If you saturate the color by 10%, you get **38.9515, 40.2120, 9.4121**, and if you desaturate by 10%, it is **42.3025, 44.6441, 17.5271**.

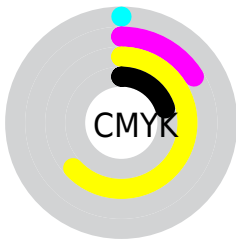
Distribution



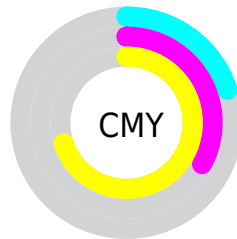
- Red (80%)
- Green (67%)
- Blue (30%)



- Red (47%)
- Yellow (80%)
- Blue (30%)



- Cyan (0%)
- Magenta (16%)
- Yellow (63%)
- Black (20%)





- Cyan (20%)
- Magenta (33%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4960, 42.3441, 12.8763 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 40.4960, 42.3441, 12.8763 by changing the saturation by 10% instead.


 40.4960, 42.3441,
12.8763


 40.4960, 42.3441,
12.8763


339.3084,
355.9074, 221.3033

 28.1114, 29.3708,
7.2137


 75.1978, 78.7201,
31.7693

 18.5505, 19.3615,
3.5156


 98.2456, 102.8917,
45.8368


 11.4480, 11.9318,
1.3636


 125.5787,
131.5648, 63.5429

 6.4385, 6.6973,
0.1131

 157.5622,
165.1239, 85.3064

 3.1567, 3.2735,
0.0000

 194.5616,
203.9532, 111.5456

 1.2372, 1.2761,
0.0000

236.9422,

 0.1354, 0.1226,

248.4374, 142.6791

0.0000

285.0693,
298.9606, 179.1255

■ 0.0000, 0.0000,
0.0000

■ 40.4960, 42.3441,
12.8763

■ 40.4960, 42.3441,
12.8763

■ 38.9515, 40.2120,
9.4121

■ 42.3025, 44.6441,
17.5271

■ 37.6438, 38.2321,
7.0171

■ 44.3874, 47.1143,
23.4618

■ 36.5474, 36.3952,
5.5545

■ 46.7691, 49.7643,
30.7707

■ 35.8337, 35.1069,
4.8877

■ 49.4633, 52.6011,
39.5350

■ 52.4846, 55.6311,
49.8296

■ 55.8466, 58.8604,
61.7243

■ 59.5622, 62.2946,
75.2846

■ 63.6434, 65.9394,
90.5723

■ 67.4997, 69.5590,
104.4763

Harmonies

Analogous

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



49.4498, 42.3441, 15.9930



40.4960, 42.3441, 12.8763



32.6360, 42.3441, 15.6439

Triad

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



40.4960, 42.3441, 12.8763



27.3329, 42.3441, 73.6002



56.3848, 42.3441, 75.2981

Complementary

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



40.4960, 42.3441, 12.8763



19.1223, 16.5728, 58.6906

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.



48.9573, 42.3441, 101.8844



40.4960, 42.3441, 12.8763



32.2629, 42.3441, 100.6808

Square

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



40.4960, 42.3441, 12.8763



25.7299, 42.3441, 45.3970



39.9986, 42.3441, 112.5190



59.3985, 42.3441, 46.8214

Rectangle

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



40.4960, 42.3441, 12.8763



28.8726, 42.3441, 21.3310



39.9986, 42.3441, 112.5190



54.2733, 42.3441, 85.0812

Sweetspot

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



40.4970, 42.3461, 12.8771



84.4365, 89.7210, 71.6111



30.0204, 18.9886, 16.7972



17.7699, 18.8956, 14.3093



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.



40.4970, 42.3461, 12.8771



64.4272, 66.1652, 14.1887



39.9753, 52.1596, 14.7988



11.9052, 12.5994, 11.8839



22.8803, 22.4935, 3.1358



1.2385, 1.2768, 0.1812

Inverse Universe

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



19.1223, 16.5728, 58.6906



25.9347, 19.8748, 97.0771



19.2646, 12.5229, 57.9014



10.8276, 11.2956, 14.1800



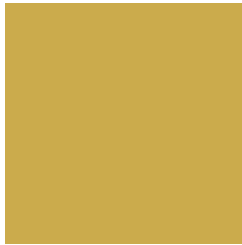
7.6794, 4.3828, 36.3975



0.4585, 0.3507, 1.8985

Previews

White Background



This preview shows how the XYZ color 40.4960, 42.3441, 12.8763 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 40.4960, 42.3441, 12.8763 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 40.4960, 42.3441, 12.8763

Background



This preview shows how black text looks on a background with the XYZ color 40.4960, 42.3441, 12.8763.

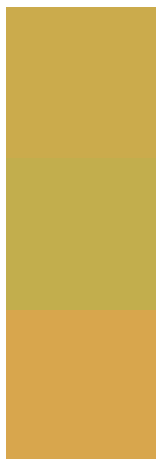


This preview shows how white text looks on a background with the XYZ color 40.4960, 42.3441,

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

40.4960, 42.3441, 12.8763

Protanopia

38.7237, 42.2773, 13.1405

Deuteranopia

43.2947, 42.4072, 12.9247



Tritanopia

47.1517, 42.3558, 45.2255

Trichromacy



Original Color

40.4960, 42.3441, 12.8763

Protanomaly

39.3091, 42.2933, 13.1128

Deuteranomaly

42.2062, 42.3900, 12.9788

Tritanomaly

44.0550, 42.1551, 29.8596

Monochromacy



Original Color

40.4960, 42.3441, 12.8763

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1101, 40.4721, 29.0958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4960, 42.3441, 12.8763 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(203, 171, 76)` looks like.

```
.text, #text, p{  
    color:rgb(203, 171, 76)  
}
```

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(203, 171, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 171, 76) }
```

Border

The CSS property to change the border of an element to XYZ 40.4960, 42.3441, 12.8763 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(203, 171, 76) }
```


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

```
.border{ border-color:rgb(203, 171, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 171, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 171, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 171, 76);  
box-shadow:4px 4px 4px 4px rgb(203, 171,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4960, 42.3441, 12.8763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 171, 76) }
```

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

```
.background{ background-color: rgb(203,  
171, 76) }
```

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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