

Converting Colors

XYZ(41.0092, 46.9880, 15.3925)

Have a look what the booklet for
XYZ(41.0092, 46.9880, 15.3925)
contains.

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Color

**XYZ(40.8974, 46.9644,
15.2970)**

Conversions

Conversions Part 1

Format	Color
Hex	C0BA54
RGB	192, 186, 84
RGB Percent	75%, 73%, 33%
CMY	0.2471, 0.2706, 0.6706
CMYK	0.00, 0.03, 0.56, 0.25
HSL	57°, 46%, 54%
HSV	57°, 56%, 75%
XYZ	40.8974, 46.9644, 15.2970
YIQ	176.1660, 36.3180, -30.4500

Conversions

Conversions Part 2

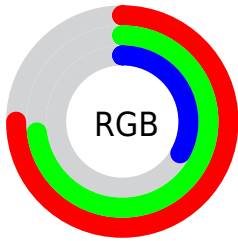
Format	Color
RYB	90, 192, 84
Decimal	12630612
CIELab	74.17, -11.18, 51.49
CIELCh	74, 52.688, 102.245
Yxy	46.9644, 0.3965, 0.4553
Android (android.graphics.Color)	4290820692 (0xFFC0BA54)
YUV	176.1660, -45.4378, 13.8864
Hunter-Lab	68.5306, -13.4040, 34.7370

Details

The XYZ color **40.8974, 46.9644, 15.2970** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **16.8268, 13.0026, 51.4919**, and the grayscale version is **41.5710, 43.7359, 47.6284**.

A 20% lighter version of the original color is **75.6918, 85.6344, 36.2066**, and **18.7882, 22.1082, 4.5734** is the 20% darker color. If you saturate the color by 10%, you get **40.0229, 46.2584, 11.7905**, and if you desaturate by 10%, it is **41.9819, 47.7605, 19.8914**.

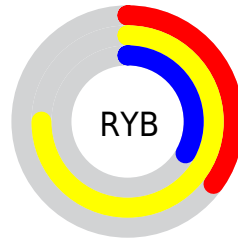
Distribution



Red (75%)

Green (73%)

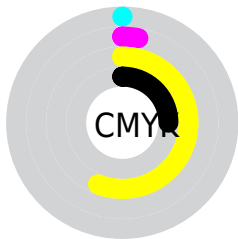
Blue (33%)



Red (35%)

Yellow (75%)

Blue (33%)

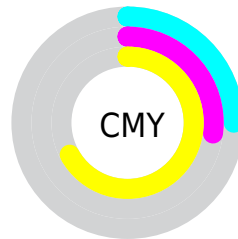


Cyan (0%)

Magenta (3%)

Yellow (56%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8974, 46.9644, 15.2970 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 40.8974, 46.9644, 15.2970 by changing the saturation by 10% instead.

40.8974, 46.9644,
15.2970

40.8974, 46.9644,
15.2970

340.9615,
374.6724, 236.8593

28.4262, 33.0075,
8.8792

75.8038, 85.6605,
36.1230

18.7893, 22.1322,
4.5667

98.9698, 111.1685,
51.3683

11.6212, 13.9541,
1.9411

126.4314,
141.2956, 70.3931

6.5567, 8.0887,
0.5187

158.5540,
176.4263, 93.6160

3.2303, 4.1518,
0.0000

195.7029,
216.9449, 121.4555

1.2767, 1.7588,
0.0000

238.2436,

0.1657, 0.4613,

263.2359, 154.3302

0.0000

286.5414,
315.6836, 192.6586

■ 0.0000, 0.0000,
0.0000

■ 40.8974, 46.9644,
15.2970

■ 40.8974, 46.9644,
15.2970

■ 40.0229, 46.2584,
11.7905

■ 41.9819, 47.7605,
19.8914

■ 39.3378, 45.6291,
9.2779

■ 43.2885, 48.6464,
25.6516

■ 38.8231, 45.0707,
7.6544

■ 44.8320, 49.6298,
32.6517

■ 38.4528, 44.5727,
6.7835

■ 46.6254, 50.7159,
40.9588

■ 38.3318, 44.3936,
6.5485

■ 48.6803, 51.9092,
50.6352

■ 51.0080, 53.2144,
61.7393

■ 53.6188, 54.6355,
74.3260

■ 56.5226, 56.1765,
88.4473

■ 59.4372, 57.7246,
102.6170

Harmonies

Analogous

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



50.4063, 46.9644, 15.8829



40.8974, 46.9644, 15.2970



33.5116, 46.9644, 21.4963

Triad

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



40.8974, 46.9644, 15.2970



32.5026, 46.9644, 94.6610



64.2563, 46.9644, 68.6861

Complementary

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



40.8974, 46.9644, 15.2970



16.8268, 13.0026, 51.4919

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.



57.9898, 46.9644, 100.0892



40.8974, 46.9644, 15.2970



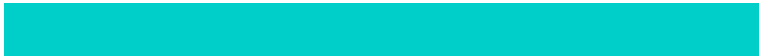
39.3279, 46.9644, 118.3549

Square

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



40.8974, 46.9644, 15.2970



29.1435, 46.9644, 62.9755



48.6005, 46.9644, 120.6325



64.8338, 46.9644, 40.8824

Rectangle

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



40.8974, 46.9644, 15.2970



30.4229, 46.9644, 30.5443



48.6005, 46.9644, 120.6325



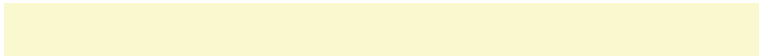
62.7084, 46.9644, 79.3711

Sweetspot

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



40.8985, 46.9666, 15.2980



84.1288, 91.6844, 72.5619



26.8058, 18.3064, 12.0641



17.9015, 19.5815, 14.8825



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8985, 46.9666, 15.2980



72.2682, 83.5997, 20.4035



32.1624, 44.3773, 15.2586



10.8640, 11.6594, 10.7398



25.8124, 29.9106, 4.4129



1.1301, 1.3221, 0.1956

Inverse Universe

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



16.8268, 13.0026, 51.4919



24.5665, 16.3236, 92.2163



22.0143, 14.9563, 51.5956



9.5722, 9.8357, 12.6788



6.4990, 2.7545, 33.7457



0.2966, 0.1506, 1.4633

Previews

White Background



This preview shows how the XYZ color 40.8974, 46.9644, 15.2970 looks on a white background.

Color Contrast Check

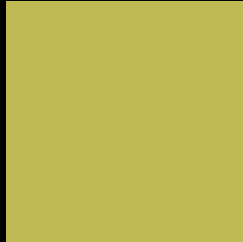
Large Text (above 18pt) WCAG AA × Fail

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 40.8974, 46.9644, 15.2970 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 40.8974, 46.9644, 15.2970

Background



This preview shows how black text looks on a background with the XYZ color 40.8974, 46.9644, 15.2970.



This preview shows how white text looks on a background with the XYZ color 40.8974, 46.9644,

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

40.8974, 46.9644, 15.2970

Protanopia

42.8519, 47.0481, 15.0063

Deuteranopia

47.9077, 46.9678, 15.5575



Tritanopia

48.8724, 46.8906, 54.6191

Trichromacy



Original Color

40.8974, 46.9644, 15.2970

Protanomaly

41.9905, 46.9113, 15.0253

Deuteranomaly

45.0407, 46.6588, 15.4363

Tritanomaly

44.9947, 46.4803, 35.8783

Monochromacy



Original Color

40.8974, 46.9644, 15.2970

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.5706, 44.5708, 32.4513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8974, 46.9644, 15.2970 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(192, 186, 84)` looks like.

```
.text, #text, p{  
    color:rgb(192, 186, 84)  
}
```

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(192, 186, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 186, 84) }
```

Border

The CSS property to change the border of an element to XYZ 40.8974, 46.9644, 15.2970 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(192, 186, 84) }
```


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

```
.border{ border-color:rgb(192, 186, 84) }
```

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

Here you see how a box with a 4 pixel rgb(192, 186, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 186, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 186, 84);  
box-shadow:4px 4px 4px 4px rgb(192, 186,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8974, 46.9644, 15.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 186, 84) }
```

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

```
.background{ background-color: rgb(192,  
186, 84) }
```

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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