

Converting Colors

XYZ(40.6767, 42.0605, 18.5855)

Have a look what the booklet for
XYZ(40.6767, 42.0605, 18.5855)
contains.

XYZ(40.5924, 41.9881, 18.5354)	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(40.5924, 41.9881,
18.5354)**

Conversions

Conversions Part 1

Format	Color
Hex	C8AA66
RGB	200, 170, 102
RGB Percent	78%, 67%, 40%
CMY	0.2157, 0.3333, 0.6000
CMYK	0.00, 0.15, 0.49, 0.22
HSL	42°, 47%, 59%
HSV	42°, 49%, 78%
XYZ	40.5924, 41.9881, 18.5354
YIQ	171.2180, 39.7080, -14.7880

Conversions

Conversions Part 2

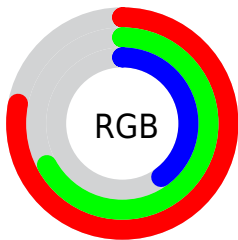
Format	Color
RYB	145, 200, 102
Decimal	13150822
CIELab	70.86, 2.13, 38.92
CIELCh	71, 38.978, 86.872
Yxy	41.9881, 0.4014, 0.4152
Android (android.graphics.Color)	4291340902 (0xFFC8AA66)
YUV	171.2180, -34.1245, 25.2418
Hunter-Lab	64.7982, -1.5768, 28.3990

Details

The XYZ color **40.5924, 41.9881, 18.5354** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.1558, 23.4965, 57.9056**, and the grayscale version is **38.9714, 41.0010, 44.6500**.

A 20% lighter version of the original color is **73.9979, 77.4435, 41.6198**, and **18.6226, 19.1432, 6.0816** is the 20% darker color. If you saturate the color by 10%, you get **38.5971, 39.3979, 13.5533**, and if you desaturate by 10%, it is **42.8825, 44.7849, 24.7971**.

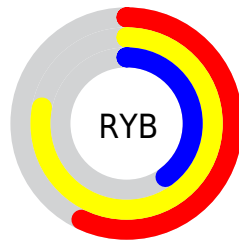
Distribution



Red (78%)

Green (67%)

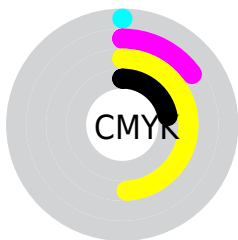
Blue (40%)



Red (57%)

Yellow (78%)

Blue (40%)

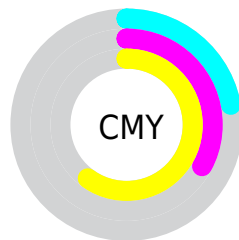


Cyan (0%)

Magenta (15%)

Yellow (49%)

Black (22%)



Cyan (22%)

Magenta (33%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5924, 41.9881, 18.5354 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 40.5924, 41.9881, 18.5354 by changing the saturation by 10% instead.

■ 40.5924, 41.9881,
18.5354

■ 40.5924, 41.9881,
18.5354

339.7059,
354.4336, 256.2084

■ 28.1870, 29.0920,
11.1617

■ 75.3434, 78.1816,
41.7737

■ 18.6078, 19.1504,
6.0601

■ 98.4197, 102.2478,
58.4754

■ 11.4896, 11.7790,
2.8123

■ 125.7836,
130.8061, 79.1235

■ 6.4669, 6.5934,
0.9996

■ 157.8006,
164.2410, 104.1364

■ 3.1743, 3.2091,
0.0000

194.8360,
202.9367, 133.9329

■ 1.2466, 1.2419,
0.0000

237.2551,

■ 0.1427, 0.0955,

247.2778, 168.9313

0.0000

285.4233,
297.6487, 209.5503

■ 0.0000, 0.0000,
0.0000

■ 40.5924, 41.9881,
18.5354

■ 40.5924, 41.9881,
18.5354

■ 38.5971, 39.3979,
13.5533

■ 42.8825, 44.7849,
24.7971

■ 36.8753, 36.9999,
9.7559

■ 45.4808, 47.7900,
32.4192

■ 35.4073, 34.7866,
7.0390

■ 48.4034, 51.0126,
41.4785

■ 34.1691, 32.7472,
5.2791

■ 51.6643, 54.4593,
52.0456

■ 33.1207, 30.8644,
4.2693

■ 55.2766, 58.1365,
64.1863

■ 33.0209, 30.6824,
4.1819

■ 59.2528, 62.0502,
77.9624

■ 63.6045, 66.2060,
93.4324

■ 67.1948, 70.1503,
104.6066

■ 68.8211, 73.4029,
105.1487

Harmonies

Analogous

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



47.1150, 41.9881, 21.8664



40.5924, 41.9881, 18.5354



34.5356, 41.9881, 20.6967

Triad

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



40.5924, 41.9881, 18.5354



29.7908, 41.9881, 63.8250



51.2829, 41.9881, 68.1324

Complementary

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



40.5924, 41.9881, 18.5354



24.1558, 23.4965, 57.9056

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.



45.8114, 41.9881, 85.5237



40.5924, 41.9881, 18.5354



33.4769, 41.9881, 82.6005

Square

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



40.5924, 41.9881, 18.5354



28.7119, 41.9881, 43.7977



39.2322, 41.9881, 91.4257



53.6924, 41.9881, 47.6934

Rectangle

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



40.5924, 41.9881, 18.5354



31.4855, 41.9881, 25.3994



39.2322, 41.9881, 91.4257



49.7137, 41.9881, 74.7200

Sweetspot

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



40.5934, 41.9901, 18.5362



85.8701, 90.5333, 78.4241



32.8069, 23.4768, 25.0052



18.1276, 19.1088, 15.9766



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.



40.5934, 41.9901, 18.5362



66.5552, 67.8477, 22.8317



42.3519, 52.2169, 20.4175



11.2394, 11.8479, 11.2573



21.0782, 19.6735, 2.6864



1.0599, 1.0553, 0.1478

Inverse Universe

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



24.1558, 23.4965, 57.9056



34.8251, 32.2003, 98.9875



22.9182, 17.6640, 56.8450



10.3170, 10.8081, 13.4599



7.7673, 4.9285, 35.2863



0.4327, 0.3632, 1.6924

Previews

White Background



This preview shows how the XYZ color 40.5924, 41.9881, 18.5354 looks on a white background.

Color Contrast Check

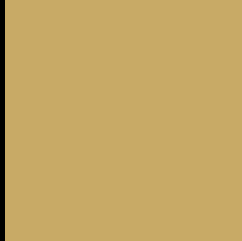
Large Text (above 18pt) WCAG AA × Fail

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 40.5924, 41.9881, 18.5354 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 40.5924, 41.9881, 18.5354

Background



This preview shows how black text looks on a background with the XYZ color 40.5924, 41.9881, 18.5354.

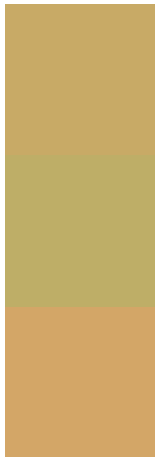


This preview shows how white text looks on a background with the XYZ color 40.5924, 41.9881,

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

40.5924, 41.9881, 18.5354

Protanopia

38.8194, 42.1985, 18.9311

Deuteranopia

42.9484, 42.1006, 18.6946



Tritanopia

46.1170, 41.8111, 45.6841

Trichromacy



Original Color

40.5924, 41.9881, 18.5354

Protanomaly

39.6399, 42.3357, 18.9143

Deuteranomaly

41.9990, 41.8821, 18.7024

Tritanomaly

43.5226, 41.5264, 33.7385

Monochromacy



Original Color

40.5924, 41.9881, 18.5354

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.0426, 41.1462, 33.0784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5924, 41.9881, 18.5354 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(200, 170, 102)` looks like.

```
.text, #text, p{  
    color:rgb(200, 170, 102)  
}
```

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(200, 170, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 170, 102) }
```

Border

The CSS property to change the border of an element to XYZ 40.5924, 41.9881, 18.5354 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(200, 170, 102) }
```


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

```
.border{ border-color:rgb(200, 170, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 170, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 170, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 170, 102);  
box-shadow:4px 4px 4px 4px rgb(200, 170,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5924, 41.9881, 18.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 170, 102) }
```

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

```
.background{ background-color: rgb(200,  
170, 102) }
```

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