

Converting Colors

XYZ(42.5403, 49.8872, 40.9667)

Have a look what the booklet for
XYZ(42.5403, 49.8872, 40.9667)
contains.

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Color

**XYZ(42.5194, 49.8147,
41.0924)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC2A1
RGB	171, 194, 161
RGB Percent	67%, 76%, 63%
CMY	0.3294, 0.2392, 0.3686
CMYK	0.12, 0.00, 0.17, 0.24
HSL	102°, 21%, 70%
HSV	102°, 17%, 76%
XYZ	42.5194, 49.8147, 41.0924
YIQ	183.3610, -3.1150, -15.1390

Conversions

Conversions Part 2

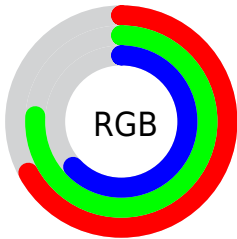
Format	Color
RYB	161, 194, 184
Decimal	11256481
CIELab	75.96, -13.96, 14.01
CIELCh	76, 19.778, 134.890
Yxy	49.8147, 0.3187, 0.3733
Android (android.graphics.Color)	4289446561 (0xFFABC2A1)
YUV	183.3610, -11.0240, -10.8406
Hunter-Lab	70.5795, -15.9800, 14.8862

Details

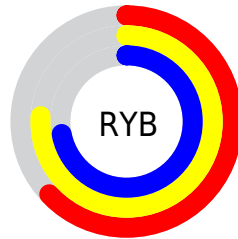
The XYZ color **42.5194, 49.8147, 41.0924** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.2516, 39.5765, 56.4537**, and the grayscale version is **45.2690, 47.6265, 51.8652**.

A 20% lighter version of the original color is **78.5704, 90.2831, 78.2510**, and **19.7461, 23.7822, 18.0177** is the 20% darker color. If you saturate the color by 10%, you get **38.1436, 47.7429, 32.6394**, and if you desaturate by 10%, it is **47.4648, 52.1523, 50.9598**.

Distribution



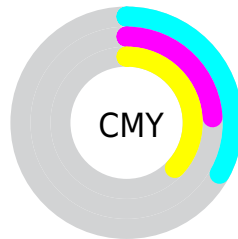
- Red (67%)
- Green (76%)
- Blue (63%)



- Red (63%)
- Yellow (76%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)



- Cyan (33%)
- Magenta (24%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5194, 49.8147, 41.0924 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 42.5194, 49.8147, 41.0924 by changing the saturation by 10% instead.

■ 42.5194, 49.8147,
41.0924

■ 42.5194, 49.8147,
41.0924

347.5867,
385.9409, 366.3947

■ 29.7011, 35.2662,
28.0710

■ 78.2454, 89.9003,
78.0793

■ 19.7588, 23.8680,
18.1397

■ 101.8837,
116.2061, 102.8820

■ 12.3271, 15.2357,
10.8799

129.8595,
147.1999, 132.4488

■ 7.0406, 8.9850,
5.8730

162.5380,
183.2659, 167.1984

■ 3.5341, 4.7314,
2.7004

200.2846,
224.7886, 207.5492

■ 1.4421, 2.0905,
0.9437

243.4647,

■ 0.2859, 0.6593,

272.1524, 253.9199

0.0000

292.4436,
325.7417, 306.7289

0.0000, 0.0000,
0.0000

42.5194, 49.8147,
41.0924

42.5194, 49.8147,
41.0924

38.1436, 47.7429,
32.6394

47.4648, 52.1523,
50.9598

34.3120, 45.9210,
25.5328

52.9958, 54.7584,
62.2989

31.0035, 44.3410,
19.7041

59.1327, 57.6437,
75.1677

28.1938, 42.9920,
15.0771

65.8938, 60.8162,
89.6202

25.8564, 41.8623,
11.5679

72.8088, 64.0890,
103.1407

■ 23.9622, 40.9389,
9.0814

■ 77.5367, 66.5263,
103.3620

■ 22.4783, 40.2072,
7.5070

■ 78.5828, 67.0655,
103.4109

■ 21.3631, 39.6492,
6.6936

■ 21.0834, 39.5087,
6.5147

Harmonies

Analogous

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



45.5494, 49.8147, 36.8927



42.5194, 49.8147, 41.0924



40.8291, 49.8147, 49.1185

Triad

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



42.5194, 49.8147, 41.0924



45.5237, 49.8147, 76.2913



54.5327, 49.8147, 49.1893

Complementary

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



42.5194, 49.8147, 41.0924



42.2516, 39.5765, 56.4537

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.



54.5249, 49.8147, 59.7051



42.5194, 49.8147, 41.0924



49.1920, 49.8147, 76.3167

Square

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



42.5194, 49.8147, 41.0924



42.5014, 49.8147, 69.8635



52.5277, 49.8147, 69.9290



52.5484, 49.8147, 41.1384

Rectangle

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



42.5194, 49.8147, 41.0924



40.6308, 49.8147, 55.9884



52.5277, 49.8147, 69.9290



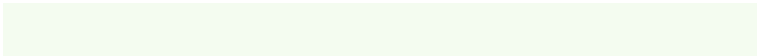
54.7661, 49.8147, 52.5279

Sweetspot

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



42.5207, 49.8168, 41.0935



87.8420, 95.3557, 96.0795



45.7303, 48.1390, 40.6005



19.0850, 20.8105, 20.7325



0.0000, 0.0000, 0.0000



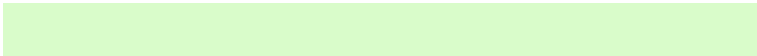
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5207, 49.8168, 41.0935



74.2998, 88.9574, 69.1068



40.9709, 48.9547, 43.8743



10.2250, 11.4035, 10.7240



13.9348, 26.0125, 4.2865



0.6738, 1.1609, 0.1886

Inverse Universe

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



42.2516, 39.5765, 56.4537



73.7292, 67.3099, 101.5759



44.0666, 40.5891, 53.0628



10.1906, 10.0894, 12.6952



13.0811, 6.0040, 34.0261



0.6324, 0.2941, 1.4733

Previews

White Background



This preview shows how the XYZ color 42.5194, 49.8147, 41.0924 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 42.5194, 49.8147, 41.0924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

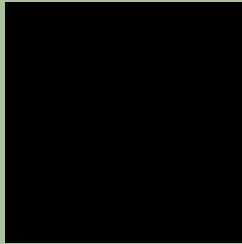
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5194, 49.8147, 41.0924

Background



This preview shows how black text looks on a background with the XYZ color 42.5194, 49.8147, 41.0924.



This preview shows how white text looks on a background with the XYZ color 42.5194, 49.8147,

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

42.5194, 49.8147, 41.0924

Protanopia

46.6707, 49.4224, 38.9780

Deuteranopia

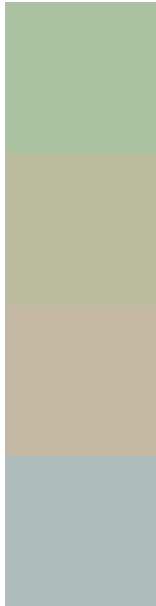
50.4627, 49.4690, 42.0108



Tritanopia

47.1228, 49.7432, 63.6177

Trichromacy



Original Color

42.5194, 49.8147, 41.0924

Protanomaly

45.1082, 49.5552, 39.5354

Deuteranomaly

47.2485, 49.3480, 41.6852

Tritanomaly

45.1698, 49.5717, 54.7645

Monochromacy



Original Color

42.5194, 49.8147, 41.0924

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.0986, 48.2195, 47.5405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5194, 49.8147, 41.0924 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(171, 194, 161)` looks like.

```
.text, #text, p{  
    color:rgb(171, 194, 161)  
}
```

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(171, 194, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 194, 161) }
```

Border

The CSS property to change the border of an element to XYZ 42.5194, 49.8147, 41.0924 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(171, 194, 161) }
```


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

```
.border{ border-color:rgb(171, 194, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 194, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 194, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 194, 161);  
box-shadow:4px 4px 4px 4px rgb(171, 194,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5194, 49.8147, 41.0924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 194, 161) }
```

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

```
.background{ background-color: rgb(171,  
194, 161) }
```

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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