

Converting Colors

XYZ(41.9965, 47.8318, 40.5526)

Have a look what the booklet for
XYZ(41.9965, 47.8318, 40.5526)
contains.

XYZ(42.0862, 47.9671, 40.7586)	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(42.0862, 47.9671,
40.7586)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFDA1
RGB	174, 189, 161
RGB Percent	68%, 74%, 63%
CMY	0.3176, 0.2588, 0.3686
CMYK	0.08, 0.00, 0.15, 0.26
HSL	92°, 18%, 69%
HSV	92°, 15%, 74%
XYZ	42.0862, 47.9671, 40.7586
YIQ	181.3230, 0.0480, -11.8880

Conversions

Conversions Part 2

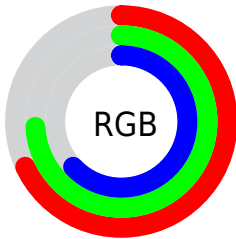
Format	Color
RYB	161, 189, 176
Decimal	11451809
CIELab	74.80, -10.30, 12.42
CIELCh	75, 16.134, 129.668
Yxy	47.9671, 0.3217, 0.3667
Android (android.graphics.Color)	4289641889 (0xFFFAEBDA1)
YUV	181.3230, -10.0192, -6.4223
Hunter-Lab	69.2583, -12.7329, 13.5885

Details

The XYZ color **42.0862, 47.9671, 40.7586** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.8366, 38.3953, 53.4581**, and the grayscale version is **44.1495, 46.4487, 50.5826**.

A 20% lighter version of the original color is **77.6802, 87.0857, 77.6808**, and **19.4496, 22.7774, 17.8394** is the 20% darker color. If you saturate the color by 10%, you get **38.3726, 46.2323, 32.5323**, and if you desaturate by 10%, it is **46.2245, 49.8945, 50.3220**.

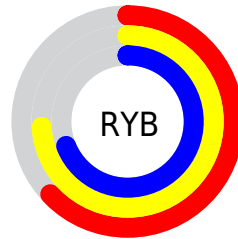
Distribution



Red (68%)

Green (74%)

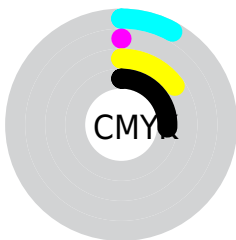
Blue (63%)



Red (63%)

Yellow (74%)

Blue (69%)

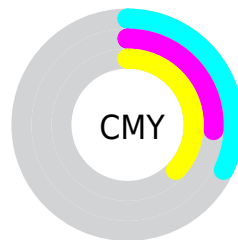


Cyan (8%)

Magenta (0%)

Yellow (15%)

Black (26%)



Cyan (32%)


Magenta (26%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0862, 47.9671, 40.7586 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 42.0862, 47.9671, 40.7586 by changing the saturation by 10% instead.


 42.0862, 47.9671,
40.7586


 42.0862, 47.9671,
40.7586


345.8257,
378.6617, 364.9574

 29.3602, 33.8008,
27.8122


 77.5944, 87.1554,
77.5670

 19.4991, 22.7406,
17.9464


 101.1073,
112.9463, 102.2661

 12.1376, 14.4021,
10.7424


128.9466,
143.3807, 131.7198

 6.9103, 8.4009,
5.7819

161.4776,
178.8433, 166.3468

 3.4519, 4.3525,
2.6463

199.0656,
219.7182, 206.5655

 1.3970, 1.8726,
0.9162

242.0761,

 0.2541, 0.5319,

266.3900, 252.7945

0.0000

290.8743,
319.2431, 305.4522

■ 0.0000, 0.0000,
0.0000

■ 42.0862, 47.9671,
40.7586

■ 42.0862, 47.9671,
40.7586

■ 38.3726, 46.2323,
32.5323

■ 46.2245, 49.8945,
50.3220

■ 35.0648, 44.6775,
25.5803

■ 50.7978, 52.0145,
61.2751

■ 32.1481, 43.2980,
19.8397

■ 55.8209, 54.3348,
73.6716

■ 29.6053, 42.0863,
15.2409

■ 61.3066, 56.8610,
87.5613

■ 27.4179, 41.0346,
11.7072

■ 67.1858, 59.5659,
102.5640

■ 25.5650, 40.1340,
9.1523

■ 70.4304, 61.2385,
102.7159

■ 24.0233, 39.3747,
7.4769

■ 73.8653, 63.0093,
102.8766

■ 22.7653, 38.7452,
6.5601

■ 77.4886, 64.8771,
103.0462

■ 22.1984, 38.4591,
6.2534

Harmonies

Analogous

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



44.6510, 47.9671, 37.8727



42.0862, 47.9671, 40.7586



40.5062, 47.9671, 46.8160

Triad

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



42.0862, 47.9671, 40.7586



43.6602, 47.9671, 68.8792



51.3782, 47.9671, 49.5631

Complementary

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



42.0862, 47.9671, 40.7586



39.8366, 38.3953, 53.4581

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.



51.0850, 47.9671, 58.0419



42.0862, 47.9671, 40.7586



46.5447, 47.9671, 69.8176

Square

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



42.0862, 47.9671, 40.7586



41.3876, 47.9671, 63.2281



49.2858, 47.9671, 65.6694



50.0704, 47.9671, 42.5840

Rectangle

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



42.0862, 47.9671, 40.7586



40.1825, 47.9671, 52.1344



49.2858, 47.9671, 65.6694



51.4649, 47.9671, 52.3218

Sweetspot

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



42.0875, 47.9692, 40.7596



83.3723, 89.6297, 91.5094



42.9334, 44.4184, 40.0297



17.8018, 19.2155, 19.3792



90.7827, 95.5105, 104.0109



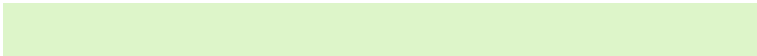
18.6292, 19.5994, 21.3438

Same Dimension

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



42.0875, 47.9692, 40.7596



72.9806, 84.7907, 67.6154



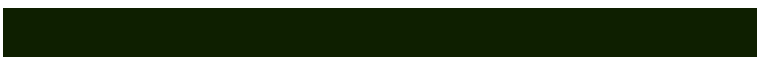
39.4126, 46.5807, 41.0658



9.8184, 10.8608, 10.1555



15.0214, 25.9197, 4.2113



0.6639, 1.0542, 0.1685

Inverse Universe

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



39.8366, 38.3953, 53.4581



68.1235, 64.1331, 95.0146



42.8173, 39.9436, 53.0703



9.4915, 9.4702, 11.9999



9.9000, 4.3897, 32.7184



0.4626, 0.2105, 1.2851

Previews

White Background



This preview shows how the XYZ color 42.0862, 47.9671, 40.7586 looks on a white background.

Color Contrast Check

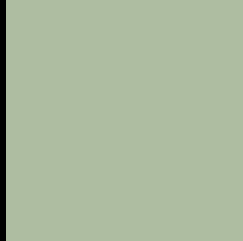
Large Text (above 18pt) WCAG AA × Fail

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 42.0862, 47.9671, 40.7586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

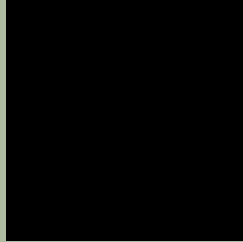
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0862, 47.9671, 40.7586

Background



This preview shows how black text looks on a background with the XYZ color 42.0862, 47.9671, 40.7586.



This preview shows how white text looks on a background with the XYZ color 42.0862, 47.9671,

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

42.0862, 47.9671, 40.7586

Protanopia

45.0974, 47.6731, 39.1727

Deuteranopia

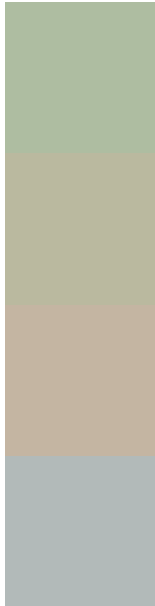
48.6275, 47.6439, 41.2836



Tritanopia

46.1559, 48.0615, 60.2702

Trichromacy



Original Color

42.0862, 47.9671, 40.7586

Protanomaly

43.8567, 47.6402, 39.6849

Deuteranomaly

45.8104, 47.3921, 40.9155

Tritanomaly

44.6760, 48.0856, 52.8257

Monochromacy



Original Color

42.0862, 47.9671, 40.7586

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.1406, 46.8019, 46.8043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0862, 47.9671, 40.7586 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(174, 189, 161)` looks like.

```
.text, #text, p{  
    color:rgb(174, 189, 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(174, 189, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 189, 161) }
```

Border

The CSS property to change the border of an element to XYZ 42.0862, 47.9671, 40.7586 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(174, 189, 161) }
```


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

```
.border{ border-color:rgb(174, 189, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 189, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 189, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 189, 161);  
box-shadow:4px 4px 4px 4px rgb(174, 189,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0862, 47.9671, 40.7586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 189, 161) }
```

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

```
.background{ background-color: rgb(174,  
189, 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](#).

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