

Converting Colors

XYZ(41.8032, 46.9140, 42.4328)

Have a look what the booklet for
XYZ(41.8032, 46.9140, 42.4328)
contains.

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Color

**XYZ(41.8060, 46.8331,
42.4336)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBA A5
RGB	174, 186, 165
RGB Percent	68%, 73%, 65%
CMY	0.3176, 0.2706, 0.3529
CMYK	0.06, 0.00, 0.11, 0.27
HSL	94°, 13%, 69%
HSV	94°, 11%, 73%
XYZ	41.8060, 46.8331, 42.4336
YIQ	180.0180, -0.4110, -9.0750

Conversions

Conversions Part 2

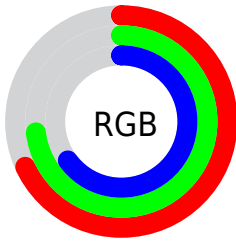
Format	Color
RYB	165, 186, 177
Decimal	11451045
CIELab	74.08, -8.04, 9.23
CIELCh	74, 12.237, 131.057
Yxy	46.8331, 0.3190, 0.3573
Android (android.graphics.Color)	4289641125 (0xFFFAEBAA5)
YUV	180.0180, -7.4039, -5.2778
Hunter-Lab	68.4347, -10.7171, 11.1410

Details

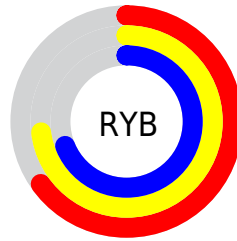
The XYZ color **41.8060, 46.8331, 42.4336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.4514, 39.8038, 52.0077**, and the grayscale version is **43.4318, 45.6937, 49.7604**.

A 20% lighter version of the original color is **77.3035, 85.4946, 80.1379**, and **19.3942, 22.1049, 18.8673** is the 20% darker color. If you saturate the color by 10%, you get **37.9597, 45.0332, 34.0496**, and if you desaturate by 10%, it is **46.0886, 48.8322, 52.1253**.

Distribution



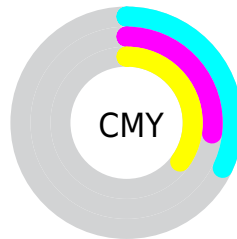
- Red (68%)
- Green (73%)
- Blue (65%)



- Red (65%)
- Yellow (73%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)



- Cyan (32%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8060, 46.8331, 42.4336 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 41.8060, 46.8331, 42.4336 by changing the saturation by 10% instead.

■ 41.8060, 46.8331,
42.4336

■ 41.8060, 46.8331,
42.4336

344.6834,
374.1479, 372.1298

■ 29.1399, 32.9037,
29.1129

■ 77.1729, 85.4644,
80.1326

■ 19.3315, 22.0527,
18.9199

■ 100.6044,
110.9352, 105.3479

■ 12.0155, 13.8956,
11.4362

128.3551,
141.0219, 135.3652

■ 6.8265, 8.0481,
6.2432

160.7903,
176.1089, 170.6030

■ 3.3992, 4.1258,
2.9223

198.2754,
216.5806, 211.4798

■ 1.3682, 1.7442,
1.0551

241.1757,

■ 0.2334, 0.4520,

262.8214, 258.4142

0.0000

289.8566,
315.2157, 311.8247

■ 0.0000, 0.0000,
0.0000

■ 41.8060, 46.8331,
42.4336

■ 41.8060, 46.8331,
42.4336

■ 37.9597, 45.0332,
34.0496

■ 46.0886, 48.8322,
52.1253

■ 34.5309, 43.4200,
26.9143

■ 50.8179, 51.0305,
63.1743

■ 31.5051, 41.9886,
20.9687

■ 56.0084, 53.4360,
75.6312

■ 28.8654, 40.7318,
16.1479

■ 61.6730, 56.0542,
89.5431

■ 26.5935, 39.6416,
12.3807

■ 67.3367, 58.6954,
102.3881

■ 24.6693, 38.7094,
9.5879

■ 70.7970, 60.4793,
102.5500

■ 23.0703, 37.9257,
7.6789

■ 74.4681, 62.3718,
102.7218

■ 21.7706, 37.2794,
6.5462

■ 76.8498, 63.5997,
102.8333

■ 20.8429, 36.8121,
6.0069

Harmonies

Analogous

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



43.7112, 46.8331, 40.0548



41.8060, 46.8331, 42.4336



40.6502, 46.8331, 47.1796

Triad

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



41.8060, 46.8331, 42.4336



43.1611, 46.8331, 63.2646



48.7731, 46.8331, 48.7165

Complementary

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



41.8060, 46.8331, 42.4336



40.4514, 39.8038, 52.0077

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.



48.6140, 46.8331, 55.0072



41.8060, 46.8331, 42.4336



45.3255, 46.8331, 63.7613

Square

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



41.8060, 46.8331, 42.4336



41.4147, 46.8331, 59.3267



47.3354, 46.8331, 60.6330



47.7631, 46.8331, 43.4792

Rectangle

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



41.8060, 46.8331, 42.4336



40.4367, 46.8331, 51.2159



47.3354, 46.8331, 60.6330



48.8554, 46.8331, 50.7714

Sweetspot

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



41.8073, 46.8351, 42.4346



82.1118, 87.8442, 91.2119



42.7455, 44.5624, 41.9465



17.9400, 19.2784, 19.7610



90.7827, 95.5105, 104.0109



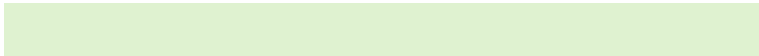
18.6292, 19.5994, 21.3438

Same Dimension

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



41.8073, 46.8351, 42.4346



73.6435, 83.8906, 72.2019



39.9970, 45.8871, 43.0189



9.2455, 10.2432, 9.5967



14.1040, 24.8072, 4.0449



0.5683, 0.9112, 0.1459

Inverse Universe

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



40.4514, 39.8038, 52.0077



70.6077, 68.1490, 93.6340



42.4214, 40.8365, 51.3266



8.9992, 8.9659, 11.3357



10.0728, 4.5039, 31.5915



0.4244, 0.1945, 1.1169

Previews

White Background



This preview shows how the XYZ color 41.8060, 46.8331, 42.4336 looks on a white background.

Color Contrast Check

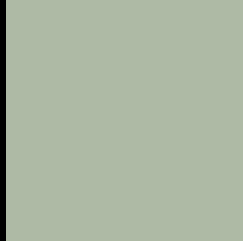
Large Text (above 18pt) WCAG AA × Fail

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 41.8060, 46.8331, 42.4336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

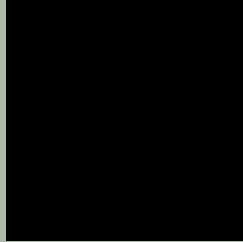
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8060, 46.8331, 42.4336

Background



This preview shows how black text looks on a background with the XYZ color 41.8060, 46.8331, 42.4336.



This preview shows how white text looks on a background with the XYZ color 41.8060, 46.8331,

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

41.8060, 46.8331, 42.4336

Protanopia

44.3699, 46.6392, 41.3141

Deuteranopia

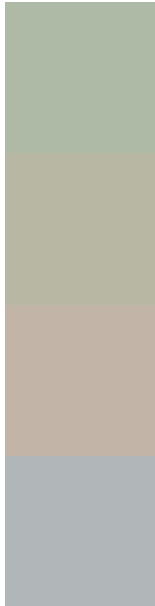
47.6772, 46.8198, 43.0835



Tritanopia

45.2822, 47.0251, 58.9147

Trichromacy



Original Color

41.8060, 46.8331, 42.4336

Protanomaly

43.4015, 46.7377, 41.8557

Deuteranomaly

45.4523, 46.8650, 42.7267

Tritanomaly

43.8219, 46.7169, 52.6065

Monochromacy



Original Color

41.8060, 46.8331, 42.4336

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.8259, 46.0160, 47.1823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8060, 46.8331, 42.4336 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, 186, 165)` looks like.

```
.text, #text, p{  
    color:rgb(174, 186, 165)  
}
```

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, 186, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 186, 165) }
```

Border

The CSS property to change the border of an element to XYZ 41.8060, 46.8331, 42.4336 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, 186, 165) }
```


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

```
.border{ border-color:rgb(174, 186, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 186, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 186, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 186, 165);  
box-shadow:4px 4px 4px 4px rgb(174, 186,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8060, 46.8331, 42.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 186, 165) }
```

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

```
.background{ background-color: rgb(174,  
186, 165) }
```

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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