

Converting Colors

XYZ(41.0071, 43.7677, 46.1205)

Have a look what the booklet for
XYZ(41.0071, 43.7677, 46.1205)
contains.

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Color

**XYZ(41.2396, 44.0107,
46.3658)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB2AE
RGB	175, 178, 174
RGB Percent	69%, 70%, 68%
CMY	0.3137, 0.3019, 0.3176
CMYK	0.02, 0.00, 0.02, 0.30
HSL	105°, 3%, 69%
HSV	105°, 2%, 70%
XYZ	41.2396, 44.0107, 46.3658
YIQ	176.6470, -0.5040, -1.8800

Conversions

Conversions Part 2

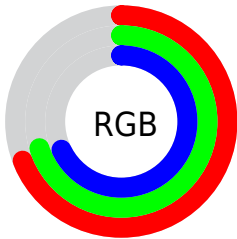
Format	Color
RYB	174, 178, 177
Decimal	11514542
CIELab	72.24, -1.80, 1.66
CIELCh	72, 2.451, 137.272
Yxy	44.0107, 0.3133, 0.3344
Android (android.graphics.Color)	4289704622 (0xFFAFB2AE)
YUV	176.6470, -1.3050, -1.4444
Hunter-Lab	66.3406, -5.1342, 5.0003

Details

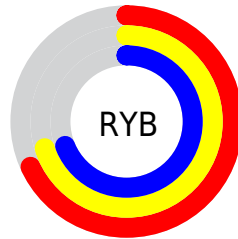
The XYZ color **41.2396, 44.0107, 46.3658** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.3050, 42.8347, 48.2126**, and the grayscale version is **41.6127, 43.7798, 47.6762**.

A 20% lighter version of the original color is **76.1988, 81.3258, 85.8101**, and **19.0148, 20.2833, 21.3252** is the 20% darker color. If you saturate the color by 10%, you get **36.7679, 41.8941, 37.6903**, and if you desaturate by 10%, it is **46.2402, 46.3759, 56.2684**.

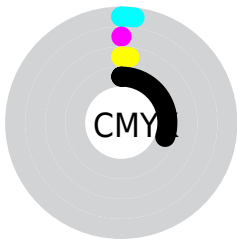
Distribution



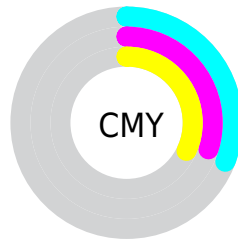
- Red (69%)
- Green (70%)
- Blue (68%)



- Red (68%)
- Yellow (70%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (31%)
- Magenta (30%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2396, 44.0107, 46.3658 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 41.2396, 44.0107, 46.3658 by changing the saturation by 10% instead.

■ 41.2396, 44.0107,
46.3658

■ 41.2396, 44.0107,
46.3658

342.3665,
362.7519, 388.5976

■ 28.6948, 30.6789,
32.1838

■ 76.3199, 81.2338,
86.1062

■ 18.9932, 20.3545,
21.2360

99.5861, 105.8940,
112.5018

■ 11.7694, 12.6530,
13.1037

127.1569,
135.0991, 143.8056

■ 6.6579, 7.1900,
7.3684

159.3976,
169.2334, 180.4362

■ 3.2935, 3.5812,
3.6116

196.6736,
208.6815, 222.8122

■ 1.3108, 1.4422,
1.4148

239.3501,

■ 0.1913, 0.2475,

253.8277, 271.3520

0.1532

287.7927,
305.0564, 326.4743

■ 0.0000, 0.0000,
0.0000

■ 41.2396, 44.0107,
46.3658

■ 41.2396, 44.0107,
46.3658

■ 36.7679, 41.8941,
37.6903

■ 46.2402, 46.3759,
56.2684

■ 32.8039, 40.0125,
30.1913

■ 51.7827, 48.9916,
67.4403

■ 29.3302, 38.3592,
23.8191

■ 57.8843, 51.8671,
79.9252

■ 26.3272, 36.9253,
18.5190

■ 64.5602, 55.0092,
93.7639

■ 23.7739, 35.7012,
14.2322

■ 70.5095, 57.8986,
102.0670

■ 21.6474, 34.6766,
10.8939

■ 75.2112, 60.3224,
102.2871

■ 19.9229, 33.8403,
8.4318

■ 18.5726, 33.1798,
6.7635

■ 17.5649, 32.6808,
5.7906

Harmonies

Analogous

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



41.5912, 44.0107, 45.7424



41.2396, 44.0107, 46.3658



41.0470, 44.0107, 47.4117

Triad

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



41.2396, 44.0107, 46.3658



41.6529, 44.0107, 50.2150



42.6078, 44.0107, 47.2358

Complementary

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



41.2396, 44.0107, 46.3658



41.3050, 42.8347, 48.2126

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.



42.6246, 44.0107, 48.4323



41.2396, 44.0107, 46.3658



42.0714, 44.0107, 50.1660

Square

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



41.2396, 44.0107, 46.3658



41.2845, 44.0107, 49.6417



42.4277, 44.0107, 49.5089



42.3820, 44.0107, 46.2389

Rectangle

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



41.2396, 44.0107, 46.3658



41.0338, 44.0107, 48.2139



42.4277, 44.0107, 49.5089



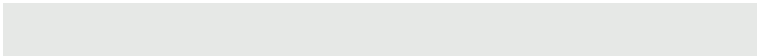
42.6382, 44.0107, 47.6276

Sweetspot

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



41.2408, 44.0126, 46.3668



75.8481, 80.3136, 86.1683



41.7240, 43.9671, 46.3325



16.8145, 17.7984, 19.1110



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



41.2408, 44.0126, 46.3668



74.0976, 79.4853, 82.7343



41.1151, 43.9365, 46.8721



9.1507, 9.8589, 10.1573



12.1989, 23.1988, 3.8349



0.4382, 0.7579, 0.1232

Inverse Universe

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



41.3050, 42.8347, 48.2126



74.2547, 76.6018, 87.2532



41.4335, 42.9126, 47.6959



9.1745, 9.4223, 10.8415



12.7905, 5.9295, 30.6074



0.4520, 0.2121, 0.9654

Previews

White Background



This preview shows how the XYZ color 41.2396, 44.0107, 46.3658 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 41.2396, 44.0107, 46.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

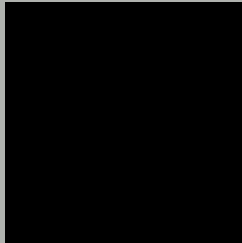
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

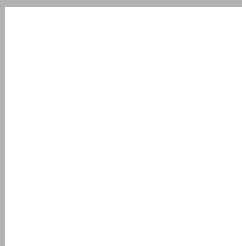
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2396, 44.0107, 46.3658

Background



This preview shows how black text looks on a background with the XYZ color 41.2396, 44.0107, 46.3658.



This preview shows how white text looks on a background with the XYZ color 41.2396, 44.0107,

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

41.2396, 44.0107, 46.3658

Protanopia

42.1242, 43.8916, 45.7869

Deuteranopia

44.8065, 43.8231, 46.6546



Tritanopia

42.9511, 44.1155, 54.9666

Trichromacy



Original Color

41.2396, 44.0107, 46.3658

Protanomaly

41.8554, 44.0451, 45.8307

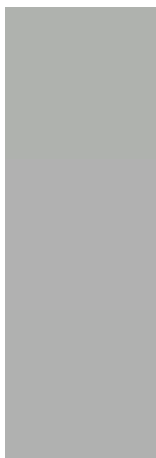
Deuteranomaly

43.6130, 44.0586, 46.7630

Tritanomaly

42.2784, 44.1351, 51.6380

Monochromacy



Original Color

41.2396, 44.0107, 46.3658

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.4631, 43.8090, 47.3449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2396, 44.0107, 46.3658 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(175, 178, 174)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 174)  
}
```

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(175, 178, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 174) }
```

Border

The CSS property to change the border of an element to XYZ 41.2396, 44.0107, 46.3658 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(175, 178, 174) }
```


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

```
.border{ border-color:rgb(175, 178, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 174);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2396, 44.0107, 46.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 174) }
```

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

```
.background{ background-color: rgb(175,  
178, 174) }
```

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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