

Converting Colors

XYZ(40.5039, 42.6679, 46.2817)

Have a look what the booklet for
XYZ(40.5039, 42.6679, 46.2817)
contains.

| | |
|--|----|
| XYZ(40.4255, 42.7146, 46.1585) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

**XYZ(40.4255, 42.7146,
46.1585)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | AEAFAE |
| RGB | 174, 175, 174 |
| RGB Percent | 68%, 69%, 68% |
| CMY | 0.3176, 0.3137, 0.3176 |
| CMYK | 0.01, 0.00, 0.01, 0.31 |
| HSL | 120°, 1%, 68% |
| HSV | 120°, 1%, 69% |
| XYZ | 40.4255, 42.7146, 46.1585 |
| YIQ | 174.5870, -0.2750, -0.5230 |

Conversions

Conversions Part 2

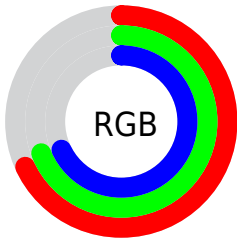
| Format | Color |
|-------------------------------------|---|
| RYB | 174, 175, 175 |
| Decimal | 11448238 |
| CIELab | 71.36, -0.54, 0.38 |
| CIELCh | 71, 0.657, 144.768 |
| Yxy | 42.7146, 0.3127, 0.3304 |
| Android (android.graphics.Color) | 4289638318 (0xFFAEAFAE) |
| YUV | 174.5870, -0.2894, -0.5148 |
| Hunter-Lab | 65.3564, -3.9645, 3.8754 |

Details

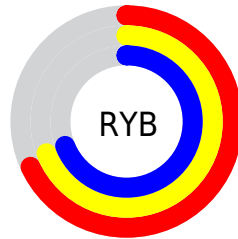
The XYZ color **40.4255, 42.7146, 46.1585** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.5547, 42.4823, 46.6220**, and the grayscale version is **40.5368, 42.6478, 46.4435**.

A 20% lighter version of the original color is **74.7528, 78.9088, 85.4198**, and **18.6219, 19.7086, 21.2350** is the 20% darker color. If you saturate the color by 10%, you get **35.1817, 40.1970, 37.5812**, and if you desaturate by 10%, it is **46.4020, 45.5867, 55.9319**.

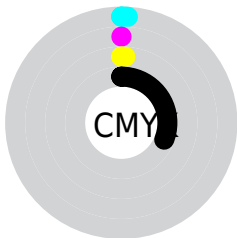
Distribution



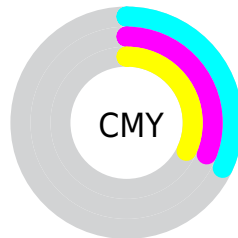
- Red (68%)
- Green (69%)
- Blue (68%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4255, 42.7146, 46.1585 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 40.4255, 42.7146, 46.1585 by changing the saturation by 10% instead.

■ 40.4255, 42.7146,
46.1585

■ 40.4255, 42.7146,
46.1585

339.0175,
357.4367, 387.7416

■ 28.0561, 29.6613,
32.0213

■ 75.0912, 79.2800,
85.7929

■ 18.5087, 19.5816,
21.1129

98.1183, 103.5608,
112.1273

■ 11.4177, 12.0913,
13.0145

125.4287,
132.3530, 143.3645

■ 6.4179, 6.8059,
7.3077

157.3878,
166.0408, 179.9230

■ 3.1439, 3.3410,
3.5739

194.3608,
205.0087, 222.2215

■ 1.2303, 1.3122,
1.3946

236.7132,

■ 0.1301, 0.1507,

249.6410, 270.6783

0.1375

284.8103,
300.3223, 325.7122

■ 0.0000, 0.0000,
0.0000

■ 40.4255, 42.7146,
46.1585

■ 40.4255, 42.7146,
46.1585

■ 35.1817, 40.1970,
37.5812

■ 46.4020, 45.5867,
55.9319

■ 30.6390, 38.0149,
30.1513

■ 53.1340, 48.8204,
66.9419

■ 26.7687, 36.1557,
23.8211

■ 60.6479, 52.4298,
79.2306

■ 23.5389, 34.6043,
18.5384

■ 68.9678, 56.4263,
92.8372

■ 20.9152, 33.3440,
14.2468

■ 74.6208, 59.1416,
102.0903

■ 18.8596, 32.3566,
10.8844

■ 17.3303, 31.6220,
8.3826

■ 16.2795, 31.1173,
6.6632

■ 15.6506, 30.8152,
5.6341

Harmonies

Analogous

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



40.5099, 42.7146, 45.9582



40.4255, 42.7146, 46.1585



40.3876, 42.7146, 46.4534

Triad

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



40.4255, 42.7146, 46.1585



40.5796, 42.7146, 47.1180



40.7923, 42.7146, 46.2543

Complementary

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



40.4255, 42.7146, 46.1585



40.5547, 42.4823, 46.6220

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.



40.8111, 42.7146, 46.5645



40.4255, 42.7146, 46.1585



40.6881, 42.7146, 47.0641

Square

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



40.4255, 42.7146, 46.1585



40.4764, 42.7146, 47.0082



40.7729, 42.7146, 46.8611



40.7217, 42.7146, 46.0133

Rectangle

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



40.4255, 42.7146, 46.1585



40.3937, 42.7146, 46.6644



40.7729, 42.7146, 46.8611



40.8049, 42.7146, 46.3539

Sweetspot

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



40.4267, 42.7164, 46.1594



72.9764, 76.7769, 83.6100



40.6510, 42.8321, 46.1698



16.2198, 17.0645, 18.5832



84.5950, 89.0005, 96.9216

Same Dimension

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



40.4267, 42.7164, 46.1594



71.9543, 76.2859, 81.9384



40.4757, 42.7360, 46.4174



8.8793, 9.4076, 10.1168



10.9784, 21.9566, 3.6602



0.3054, 0.6108, 0.1019

Inverse Universe

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



40.5547, 42.4823, 46.6220



72.3599, 75.5439, 83.4042



40.5055, 42.4626, 46.3630



8.9251, 9.3240, 10.2820



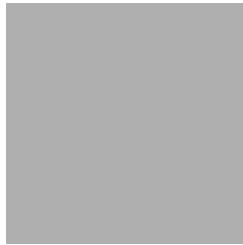
18.1999, 8.7425, 29.7619



0.5063, 0.2432, 0.8280

Previews

White Background



This preview shows how the XYZ color 40.4255, 42.7146, 46.1585 looks on a white background.

Color Contrast Check

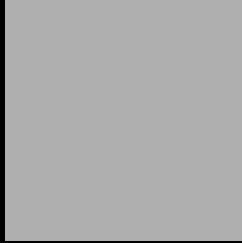
Large Text (above 18pt) WCAG AA × Fail

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 40.4255, 42.7146, 46.1585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

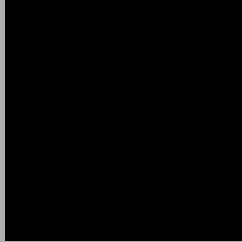
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

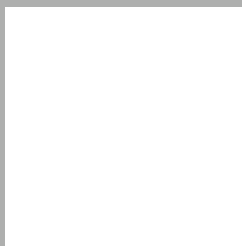
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4255, 42.7146, 46.1585

Background



This preview shows how black text looks on a background with the XYZ color 40.4255, 42.7146, 46.1585.

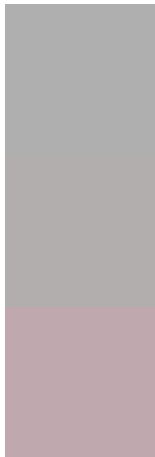


This preview shows how white text looks on a background with the XYZ color 40.4255, 42.7146,

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

40.4255, 42.7146, 46.1585

Protanopia

41.0390, 42.7542, 45.6246

Deuteranopia

43.4117, 42.5474, 46.4819



Tritanopia

41.8177, 42.7051, 53.0526

Trichromacy



Original Color

40.4255, 42.7146, 46.1585

Protanomaly

40.8103, 42.6363, 45.6139

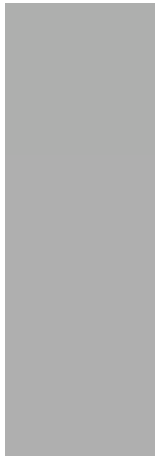
Deuteranomaly

42.3084, 42.5353, 46.5377

Tritanomaly

41.2587, 42.7635, 50.3356

Monochromacy



Original Color

40.4255, 42.7146, 46.1585

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.7470, 42.8690, 46.6844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4255, 42.7146, 46.1585 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, 175, 174)` looks like.

```
.text, #text, p{  
    color:rgb(174, 175, 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(174, 175, 174) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 40.4255, 42.7146, 46.1585 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, 175, 174) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 40.4255, 42.7146, 46.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(174,  
175, 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](#).

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