

Converting Colors

XYZ(40.6818, 42.5461, 46.6487)

Have a look what the booklet for
XYZ(40.6818, 42.5461, 46.6487)
contains.

XYZ(40.7784, 42.5974, 46.6303)	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(40.7784, 42.5974,
46.6303)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AEAF
RGB	176, 174, 175
RGB Percent	69%, 68%, 69%
CMY	0.3098, 0.3176, 0.3137
CMYK	0.00, 0.01, 0.01, 0.31
HSL	330°, 1%, 69%
HSV	330°, 1%, 69%
XYZ	40.7784, 42.5974, 46.6303
YIQ	174.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

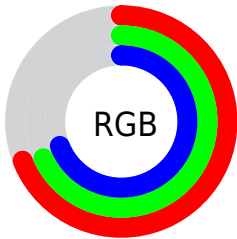
Format	Color
RYB	176, 174, 175
Decimal	11579055
CIELab	71.28, 0.90, -0.27
CIELCh	71, 0.938, 343.349
Yxy	42.5974, 0.3137, 0.3277
Android (android.graphics.Color)	4289769135 (0xFFB0AEAF)
YUV	174.7120, 0.1420, 1.1296
Hunter-Lab	65.2667, -2.6905, 3.3265

Details

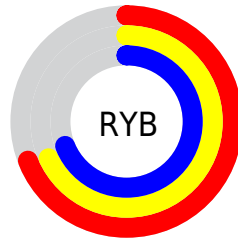
The XYZ color **40.7784, 42.5974, 46.6303** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.7203, 43.1455, 46.7413**, and the grayscale version is **40.5987, 42.7130, 46.5145**.

A 20% lighter version of the original color is **75.5810, 78.9076, 86.1101**, and **18.8469, 19.6342, 21.5353** is the 20% darker color. If you saturate the color by 10%, you get **36.7614, 35.9032, 41.1594**, and if you desaturate by 10%, it is **45.2999, 50.2090, 52.5492**.

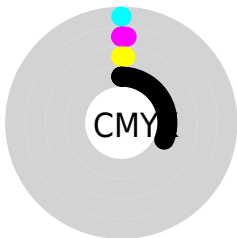
Distribution



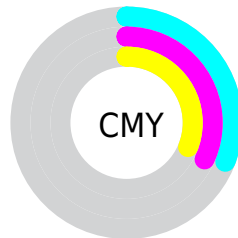
- Red (69%)
- Green (68%)
- Blue (69%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7784, 42.5974, 46.6303 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 40.7784, 42.5974, 46.6303 by changing the saturation by 10% instead.

■ 40.7784, 42.5974,
46.6303

■ 40.7784, 42.5974,
46.6303

340.4720,
356.9535, 389.6879

■ 28.3329, 29.5694,
32.3912

■ 75.6242, 79.1030,
86.5057

■ 18.7185, 19.5119,
21.3932

98.7552, 103.3493,
112.9791

■ 11.5698, 12.0408,
13.2177

126.1788,
132.1038, 144.3678

■ 6.5216, 6.7715,
7.4461

158.2602,
165.7509, 181.0901

■ 3.2084, 3.3196,
3.6600

195.3649,
204.6751, 223.5648

■ 1.2649, 1.3008,
1.4407

237.8582,

■ 0.1567, 0.1418,

249.2606, 272.2103

0.1732

286.1054,
299.8919, 327.4451

■ 0.0000, 0.0000,
0.0000

■ 40.7784, 42.5974,
46.6303

■ 40.7784, 42.5974,
46.6303

■ 36.7614, 35.9032,
41.1594

■ 45.2999, 50.2090,
52.5492

■ 33.2269, 30.0860,
36.1223

■ 50.3395, 58.7653,
58.9241

■ 30.1568, 25.1106,
31.5081

■ 55.9150, 68.2994,
65.7666

■ 27.5304, 20.9374,
27.3042

■ 62.0419, 78.8413,
73.0866

■ 25.3252, 17.5234,
23.4974

■ 66.4597, 85.8682,
80.1354

■ 23.5168, 14.8217,
20.0736

■ 67.6516, 86.3450,
86.4121

■ 22.0781, 12.7800,
17.0174

■ 68.9060, 86.8467,
93.0172

■ 20.9782, 11.3389,
14.3122

■ 70.2236, 87.3738,
99.9556

■ 20.1809, 10.4279,
11.9391

■ 71.6053, 87.9265,
107.2318

Harmonies

Analogous

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



40.6958, 42.5974, 47.0149



40.7784, 42.5974, 46.6303



40.7829, 42.5974, 46.1814

Triad

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



40.7784, 42.5974, 46.6303



40.4177, 42.5974, 45.5425



40.2677, 42.5974, 46.9793

Complementary

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



40.7784, 42.5974, 46.6303



40.7203, 43.1455, 46.7413

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.



40.1936, 42.5974, 46.5819



40.7784, 42.5974, 46.6303



40.2800, 42.5974, 45.7535

Square

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



40.7784, 42.5974, 46.6303



40.5744, 42.5974, 45.5553



40.1981, 42.5974, 46.1332



40.4008, 42.5974, 47.2173

Rectangle

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



40.7784, 42.5974, 46.6303



40.7411, 42.5974, 45.9061



40.1981, 42.5974, 46.1332



40.2351, 42.5974, 46.8598

Sweetspot

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



40.7796, 42.5992, 46.6312



74.8435, 78.7412, 85.7492



40.6533, 42.5227, 47.1398



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.



40.7796, 42.5992, 46.6312



74.0504, 77.4117, 84.6934



40.6820, 42.5602, 46.1174



9.4579, 9.8925, 10.8189



14.4549, 7.2995, 7.5552



0.4843, 0.2415, 0.3928

Inverse Universe

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



40.7796, 42.5992, 46.6312



74.0504, 77.4117, 84.6934



40.8186, 43.1849, 47.2589



9.4579, 9.8925, 10.8189



14.4549, 7.2995, 7.5552



0.4843, 0.2415, 0.3928

Previews

White Background



This preview shows how the XYZ color 40.7784, 42.5974, 46.6303 looks on a white background.

Color Contrast Check

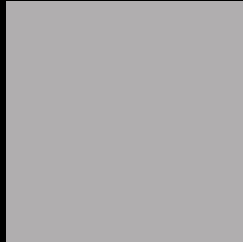
Large Text (above 18pt) WCAG AA × Fail

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 40.7784, 42.5974, 46.6303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

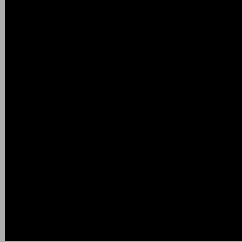
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

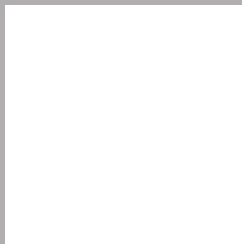
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7784, 42.5974, 46.6303

Background



This preview shows how black text looks on a background with the XYZ color 40.7784, 42.5974, 46.6303.

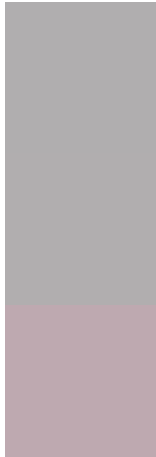


This preview shows how white text looks on a background with the XYZ color 40.7784, 42.5974,

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

40.7784, 42.5974, 46.6303

Protanopia

41.0054, 42.7144, 46.6409

Deuteranopia

43.2596, 42.4577, 46.9894



Tritanopia

41.9755, 42.5152, 52.4483

Trichromacy



Original Color

40.7784, 42.5974, 46.6303

Protanomaly

41.0054, 42.7144, 46.6409

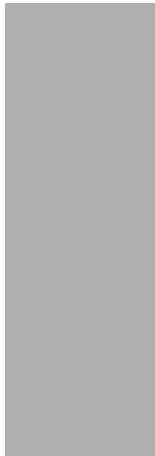
Deuteranomaly

42.4070, 42.5747, 47.0569

Tritanomaly

41.5185, 42.6117, 50.2926

Monochromacy



Original Color

40.7784, 42.5974, 46.6303

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 40.7784, 42.5974, 46.6303 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(176, 174, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 175)  
}
```

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(176, 174, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 175) }
```

Border

The CSS property to change the border of an element to XYZ 40.7784, 42.5974, 46.6303 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(176, 174, 175) }
```

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

```
.border{ border-color:rgb(176, 174, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 175);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
175) }
```


Background

The CSS property to change the background color of an element to XYZ 40.7784, 42.5974, 46.6303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 175) }
```

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

```
.background{ background-color: rgb(176,  
174, 175) }
```

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