

Converting Colors

XYZ(40.0787, 44.8631, 47.8682)

Have a look what the booklet for
XYZ(40.0787, 44.8631, 47.8682)
contains.

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Color

**XYZ(40.0798, 44.8941,
47.6273)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B7B0
RGB	164, 183, 176
RGB Percent	64%, 72%, 69%
CMY	0.3569, 0.2823, 0.3098
CMYK	0.10, 0.00, 0.04, 0.28
HSL	158°, 12%, 68%
HSV	158°, 10%, 72%
XYZ	40.0798, 44.8941, 47.6273
YIQ	176.5210, -9.0770, -6.2050

Conversions

Conversions Part 2

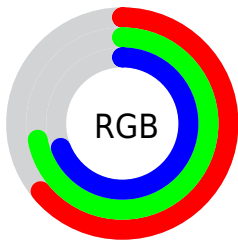
Format	Color
RYB	164, 176, 183
Decimal	10794928
CIELab	72.82, -7.91, 1.32
CIELCh	73, 8.020, 170.515
Yxy	44.8941, 0.3023, 0.3386
Android (android.graphics.Color)	4288985008 (0xFFA4B7B0)
YUV	176.5210, -0.2569, -10.9809
Hunter-Lab	67.0031, -10.4805, 4.7575

Details

The XYZ color **40.0798, 44.8941, 47.6273** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.1562, 39.5596, 44.0495**, and the grayscale version is **41.5446, 43.7082, 47.5982**.

A 20% lighter version of the original color is **74.6454, 82.6193, 88.3568**, and **18.3028, 20.8652, 22.1315** is the 20% darker color. If you saturate the color by 10%, you get **35.9209, 42.8266, 44.0360**, and if you desaturate by 10%, it is **44.8178, 47.2589, 51.4206**.

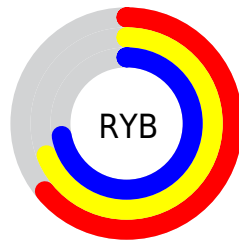
Distribution



Red (64%)

Green (72%)

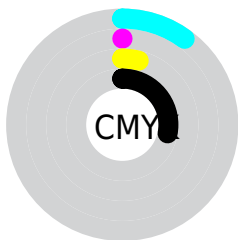
Blue (69%)



Red (64%)

Yellow (69%)

Blue (72%)

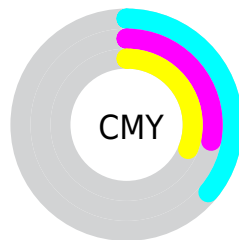


Cyan (10%)

Magenta (0%)

Yellow (4%)

Black (28%)



Cyan (36%)


Magenta (28%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0798, 44.8941, 47.6273 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 40.0798, 44.8941, 47.6273 by changing the saturation by 10% instead.


 40.0798, 44.8941,
47.6273


 40.0798, 44.8941,
47.6273


337.5885,
366.3445, 393.7789

 27.7853, 31.3740,
33.1739

 74.5686, 82.5615,
88.0090

 18.3035, 20.8838,
21.9875


 97.4935, 107.4776,
114.7744

 11.2691, 13.0391,
13.6495


124.6927,
136.9611, 146.4809

 6.3168, 7.4555,
7.7413

156.5313,
171.3965, 183.5471

 3.0811, 3.7486,
3.8445

193.3749,
211.1681, 226.3914

 1.1968, 1.5339,
1.5404

235.5887,

 0.1038, 0.3124,

256.6604, 275.4325

0.2478

283.5381,
308.2577, 331.0888

■ 0.0000, 0.0000,
0.0000

■ 40.0798, 44.8941,
47.6273

■ 40.0798, 44.8941,
47.6273

■ 35.9209, 42.8266,
44.0360

■ 44.8178, 47.2589,
51.4206

■ 32.3138, 41.0385,
40.6403

■ 50.1534, 49.9265,
55.4165

■ 29.2346, 39.5188,
37.4373

■ 56.1088, 52.9098,
59.6192

■ 26.6559, 38.2534,
34.4232

■ 62.7040, 56.2189,
64.0322

■ 24.5479, 37.2271,
31.5939

■ 69.7725, 59.7680,
68.6498

■ 22.8775, 36.4229,
28.9452

■ 70.6293, 60.1107,
73.1614

■ 21.6071, 35.8214,
26.4724

■ 71.5219, 60.4677,
77.8618

■ 20.6923, 35.3998,
24.1707

■ 72.4507, 60.8392,
82.7530

■ 20.0615, 35.1195,
22.1119

■ 73.4162, 61.2254,
87.8371

Harmonies

Analogous

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



40.6341, 44.8941, 44.1593



40.0798, 44.8941, 47.6273



40.2079, 44.8941, 51.6232

Triad

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



40.0798, 44.8941, 47.6273



43.6172, 44.8941, 56.4336



44.3985, 44.8941, 43.1911

Complementary

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



40.0798, 44.8941, 47.6273



40.1562, 39.5596, 44.0495

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.



45.2317, 44.8941, 46.2397



40.0798, 44.8941, 47.6273



44.7738, 44.8941, 53.9300

Square

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



40.0798, 44.8941, 47.6273



42.2301, 44.8941, 56.8551



45.3705, 44.8941, 50.1586



43.1139, 44.8941, 41.6916

Rectangle

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



40.0798, 44.8941, 47.6273



40.6641, 44.8941, 54.0430



45.3705, 44.8941, 50.1586



44.7418, 44.8941, 44.0606

Sweetspot

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



40.0811, 44.8960, 47.6283



77.8995, 83.4551, 90.2431



40.4922, 45.2391, 41.7204



17.0510, 18.3555, 19.8098



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.0811, 44.8960, 47.6283



70.3537, 79.6931, 84.1036



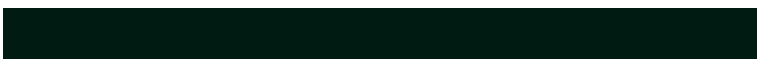
40.3384, 44.2730, 51.2215



9.1225, 10.1530, 10.8023



14.0285, 24.5123, 15.6037



0.5233, 0.8756, 0.7015

Inverse Universe

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



40.1562, 39.5596, 44.0495



70.5099, 68.6042, 76.6672



39.9063, 40.1001, 40.7594



9.1378, 9.0655, 10.0729



14.3700, 7.3217, 4.5691



0.5369, 0.2702, 0.3207

Previews

White Background



This preview shows how the XYZ color 40.0798, 44.8941, 47.6273 looks on a white background.

Color Contrast Check

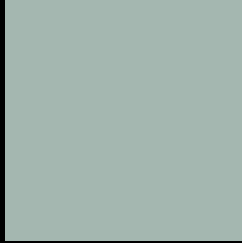
Large Text (above 18pt) WCAG AA × Fail

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 40.0798, 44.8941, 47.6273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

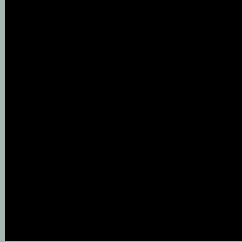
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0798, 44.8941, 47.6273

Background



This preview shows how black text looks on a background with the XYZ color 40.0798, 44.8941, 47.6273.



This preview shows how white text looks on a background with the XYZ color 40.0798, 44.8941,

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

40.0798, 44.8941, 47.6273

Protanopia

42.9917, 44.9252, 45.9407

Deuteranopia

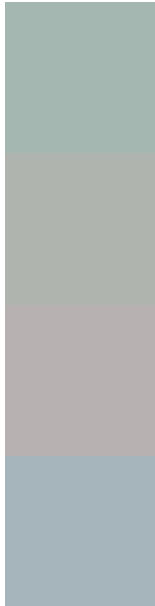
45.7444, 44.8373, 48.3629



Tritanopia

42.1079, 44.7981, 58.0573

Trichromacy



Original Color

40.0798, 44.8941, 47.6273

Protanomaly

41.8657, 44.9286, 46.5099

Deuteranomaly

43.4251, 44.8090, 47.9552

Tritanomaly

41.3269, 44.7856, 54.0433

Monochromacy



Original Color

40.0798, 44.8941, 47.6273

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.0692, 44.1852, 47.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0798, 44.8941, 47.6273 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(164, 183, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 183, 176)  
}
```

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(164, 183, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 183, 176) }
```

Border

The CSS property to change the border of an element to XYZ 40.0798, 44.8941, 47.6273 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(164, 183, 176) }
```


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

```
.border{ border-color:rgb(164, 183, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 183, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 183, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 183, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 183,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0798, 44.8941, 47.6273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 183, 176) }
```

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

```
.background{ background-color: rgb(164,  
183, 176) }
```

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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