

Converting Colors

XYZ(40.9350, 47.6516, 48.3043)

Have a look what the booklet for
XYZ(40.9350, 47.6516, 48.3043)
contains.

XYZ(40.7471, 47.4351, 48.0826)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7471, 47.4351,
48.0826)**

Conversions

Conversions Part 1

Format	Color
Hex	A0BEB0
RGB	160, 190, 176
RGB Percent	63%, 75%, 69%
CMY	0.3725, 0.2549, 0.3098
CMYK	0.16, 0.00, 0.07, 0.25
HSL	152°, 19%, 69%
HSV	152°, 16%, 75%
XYZ	40.7471, 47.4351, 48.0826
YIQ	179.4340, -13.3860, -10.7140

Conversions

Conversions Part 2

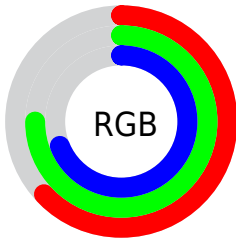
Format	Color
RYB	160, 180, 190
Decimal	10534576
CIELab	74.47, -12.93, 3.68
CIELCh	74, 13.444, 164.133
Yxy	47.4351, 0.2990, 0.3481
Android (android.graphics.Color)	4288724656 (0xFFA0BEB0)
YUV	179.4340, -1.6930, -17.0436
Hunter-Lab	68.8731, -14.9229, 6.8189

Details

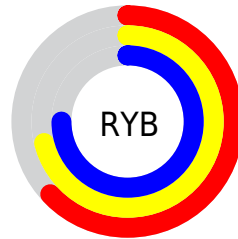
The XYZ color **40.7471, 47.4351, 48.0826** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.4476, 39.1459, 45.4178**, and the grayscale version is **43.0943, 45.3385, 49.3737**.

A 20% lighter version of the original color is **75.5456, 86.1848, 88.9976**, and **18.7681, 22.5347, 22.4292** is the 20% darker color. If you saturate the color by 10%, you get **36.3864, 45.2865, 43.4475**, and if you desaturate by 10%, it is **45.7483, 49.9099, 53.0489**.

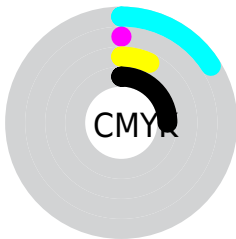
Distribution



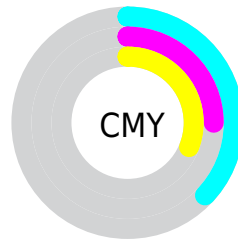
- Red (63%)
- Green (75%)
- Blue (69%)



- Red (63%)
- Yellow (71%)
- Blue (75%)



- Cyan (16%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)





- Cyan (37%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7471, 47.4351, 48.0826 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 40.7471, 47.4351, 48.0826 by changing the saturation by 10% instead.


 40.7471, 47.4351,
48.0826


 40.7471, 47.4351,
48.0826


340.3432,
376.5486, 395.6376

 28.3083, 33.3798,
33.5318

 75.5770, 86.3627,
88.6942

 18.6998, 22.4175,
22.2597


 98.6988, 112.0038,
115.5921

 11.5563, 14.1640,
13.8477


126.1123,
142.2756, 147.4429

 6.5124, 8.2348,
7.8773

158.1829,
177.5624, 184.6650

 3.2027, 4.2456,
3.9299

195.2759,
218.2487, 227.6769

 1.2618, 1.8119,
1.5870

237.7568,

 0.1544, 0.4945,

264.7190, 276.8973

0.2815

285.9907,
317.3574, 332.7447

■ 0.0000, 0.0000,
0.0000

■ 40.7471, 47.4351,
48.0826

■ 40.7471, 47.4351,
48.0826

■ 36.3864, 45.2865,
43.4475

■ 45.7483, 49.9099,
53.0489

■ 32.6349, 43.4441,
39.1335

■ 51.4117, 52.7180,
58.3500

■ 29.4646, 41.8950,
35.1344

■ 57.7628, 55.8738,
63.9935

■ 26.8433, 40.6227,
31.4427

■ 64.8246, 59.3890,
69.9855

■ 24.7361, 39.6093,
28.0507

■ 72.6177, 63.2741,
76.3323

■ 23.1034, 38.8345,
24.9499

■ 73.8263, 63.7575,
82.6963

■ 21.8995, 38.2750,
22.1315

■ 75.0981, 64.2662,
89.3936

■ 21.0674, 37.9015,
19.5861

■ 76.4341, 64.8006,
96.4290

■ 20.7794, 37.7747,
18.5922

■ 77.7044, 65.3087,
103.1181

Harmonies

Analogous

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



41.9158, 47.4351, 42.6439



40.7471, 47.4351, 48.0826



40.7130, 47.4351, 54.9788

Triad

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



40.7471, 47.4351, 48.0826



46.2339, 47.4351, 65.7127



48.5162, 47.4351, 42.8960

Complementary

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



40.7471, 47.4351, 48.0826



41.4476, 39.1459, 45.4178

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.



49.7607, 47.4351, 48.4559



40.7471, 47.4351, 48.0826



48.4114, 47.4351, 61.8396

Square

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



40.7471, 47.4351, 48.0826



43.8226, 47.4351, 65.5899



49.7217, 47.4351, 55.3870



46.3727, 47.4351, 39.8378

Rectangle

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



40.7471, 47.4351, 48.0826



41.3347, 47.4351, 59.5109



49.7217, 47.4351, 55.3870



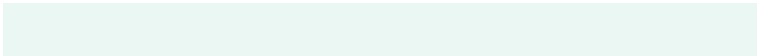
49.0569, 47.4351, 44.5115

Sweetspot

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



40.7484, 47.4371, 48.0837



83.5867, 90.7805, 96.7893



42.3274, 48.4234, 40.3740



18.2034, 19.8595, 21.1084



92.9021, 97.7402, 106.4391



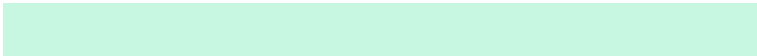
19.4759, 20.4902, 22.3138

Same Dimension

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



40.7484, 47.4371, 48.0837



70.9293, 84.5229, 84.1084



42.0984, 47.8041, 55.7259



9.6157, 10.7324, 11.2257



13.8564, 25.1329, 12.5727



0.5755, 0.9976, 0.6650

Inverse Universe

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



41.4476, 39.1459, 45.4178



72.4409, 66.5997, 78.3463



40.2394, 38.8016, 38.6269



9.7105, 9.6085, 10.8643



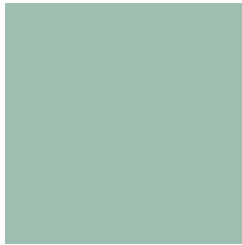
15.3491, 7.7708, 7.1319



0.6343, 0.3176, 0.4534

Previews

White Background



This preview shows how the XYZ color 40.7471, 47.4351, 48.0826 looks on a white background.

Color Contrast Check

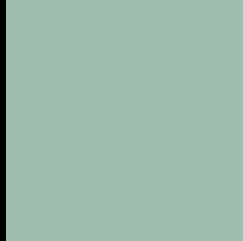
Large Text (above 18pt) WCAG AA × Fail

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 40.7471, 47.4351, 48.0826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

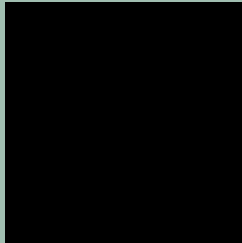
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7471, 47.4351, 48.0826

Background



This preview shows how black text looks on a background with the XYZ color 40.7471, 47.4351, 48.0826.

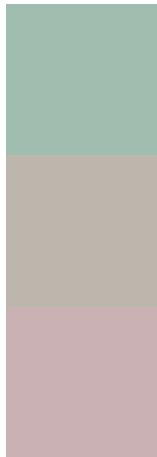


This preview shows how white text looks on a background with the XYZ color 40.7471, 47.4351,

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

40.7471, 47.4351, 48.0826

Protanopia

45.1606, 47.2533, 45.7703

Deuteranopia

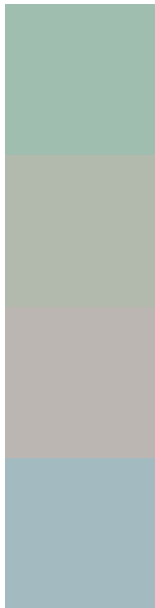
48.2159, 47.2555, 49.2278



Tritanopia

43.4114, 47.2274, 62.0861

Trichromacy



Original Color

40.7471, 47.4351, 48.0826

Protanomaly

43.2519, 47.1800, 46.3622

Deuteranomaly

45.2573, 47.2350, 48.8514

Tritanomaly

42.3890, 47.1329, 56.7326

Monochromacy



Original Color

40.7471, 47.4351, 48.0826

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.9826, 45.8520, 48.7571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7471, 47.4351, 48.0826 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(160, 190, 176)` looks like.

```
.text, #text, p{  
    color:rgb(160, 190, 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(160, 190, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 190, 176) }
```

Border

The CSS property to change the border of an element to XYZ 40.7471, 47.4351, 48.0826 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(160, 190, 176) }
```


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

```
.border{ border-color:rgb(160, 190, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 190, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 190, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 190, 176);  
box-shadow:4px 4px 4px 4px rgb(160, 190,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7471, 47.4351, 48.0826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 190, 176) }
```

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

```
.background{ background-color: rgb(160,  
190, 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](#).

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