

Converting Colors

XYZ(40.7918, 47.6880, 45.1720)

Have a look what the booklet for
XYZ(40.7918, 47.6880, 45.1720)
contains.

XYZ(40.7868, 47.8453, 45.1156)	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(40.7868, 47.8453,
45.1156)**

Conversions

Conversions Part 1

Format	Color
Hex	A2BFAA
RGB	162, 191, 170
RGB Percent	64%, 75%, 67%
CMY	0.3647, 0.2510, 0.3333
CMYK	0.15, 0.00, 0.11, 0.25
HSL	137°, 18%, 69%
HSV	137°, 15%, 75%
XYZ	40.7868, 47.8453, 45.1156
YIQ	179.9350, -10.5430, -12.6790

Conversions

Conversions Part 2

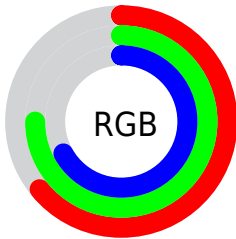
Format	Color
RYB	162, 185, 191
Decimal	10665898
CIELab	74.73, -13.93, 7.32
CIELCh	75, 15.738, 152.268
Yxy	47.8453, 0.3050, 0.3577
Android (android.graphics.Color)	4288855978 (0xFFA2BFAA)
YUV	179.9350, -4.8980, -15.7290
Hunter-Lab	69.1703, -15.7941, 9.7479

Details

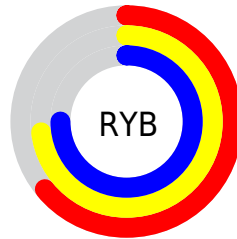
The XYZ color **40.7868, 47.8453, 45.1156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.9551, 40.3371, 50.3238**, and the grayscale version is **43.3781, 45.6372, 49.6989**.

A 20% lighter version of the original color is **75.4666, 86.7095, 83.9933**, and **18.7889, 22.8000, 20.5501** is the 20% darker color. If you saturate the color by 10%, you get **35.9574, 45.5003, 38.4152**, and if you desaturate by 10%, it is **46.3459, 50.5532, 52.5709**.

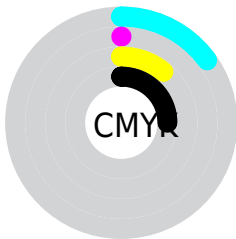
Distribution



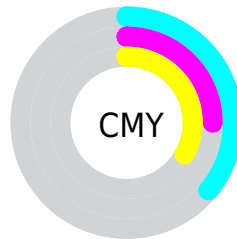
- Red (64%)
- Green (75%)
- Blue (67%)



- Red (64%)
- Yellow (73%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)



- Cyan (36%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7868, 47.8453, 45.1156 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 40.7868, 47.8453, 45.1156 by changing the saturation by 10% instead.

■ 40.7868, 47.8453,
45.1156

■ 40.7868, 47.8453,
45.1156

340.5066,
378.1786, 383.4153

■ 28.3395, 33.7044,
31.2049

■ 75.6369, 86.9740,
84.2141

■ 18.7235, 22.6666,
20.4951

■ 98.7704, 112.7306,
110.2390

■ 11.5735, 14.3475,
12.5678

126.1966,
143.1279, 141.1391

■ 6.5241, 8.3628,
7.0044

158.2810,
178.5503, 177.3328

■ 3.2099, 4.3279,
3.3864

195.3888,
219.3822, 219.2387

■ 1.2657, 1.8586,
1.2951

237.8854,

■ 0.1573, 0.5233,

266.0079, 267.2755

0.0578

286.1362,
318.8119, 321.8615

■ 0.0000, 0.0000,
0.0000

■ 40.7868, 47.8453,
45.1156

■ 40.7868, 47.8453,
45.1156

■ 35.9574, 45.5003,
38.4152

■ 46.3459, 50.5532,
52.5709

■ 31.8230, 43.4969,
32.4430

■ 52.6596, 53.6325,
60.8003

■ 28.3520, 41.8205,
27.1751

■ 59.7565, 57.0986,
69.8266

■ 25.5085, 40.4533,
22.5855

■ 67.6625, 60.9646,
79.6704

■ 23.2536, 39.3757,
18.6463

■ 75.4754, 64.7649,
90.3083

■ 21.5433, 38.5656,
15.3277

■ 77.6000, 65.6148,
101.4966

■ 20.3274, 37.9980,
12.5976

■ 77.9217, 65.7435,
103.1906

■ 19.5453, 37.6422,
10.4207

■ 19.2672, 37.5177,
9.5567

Harmonies

Analogous

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



42.6068, 47.8453, 39.8987



40.7868, 47.8453, 45.1156



40.2070, 47.8453, 52.7202

Triad

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



40.7868, 47.8453, 45.1156



45.6932, 47.8453, 69.4398



50.2778, 47.8453, 44.1434

Complementary

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



40.7868, 47.8453, 45.1156



42.9551, 40.3371, 50.3238

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.



51.1852, 47.8453, 51.4756



40.7868, 47.8453, 45.1156



48.4702, 47.8453, 66.5543

Square

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



40.7868, 47.8453, 45.1156



42.9682, 47.8453, 67.2897



50.5105, 47.8453, 59.7603



48.0786, 47.8453, 39.3800

Rectangle

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



40.7868, 47.8453, 45.1156



40.5814, 47.8453, 58.2840



50.5105, 47.8453, 59.7603



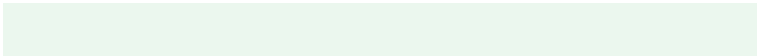
50.7481, 47.8453, 46.3611

Sweetspot

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



40.7881, 47.8473, 45.1167



83.1137, 90.5912, 94.2980



44.7462, 49.9726, 41.4703



18.0856, 19.8124, 20.4882



92.9021, 97.7402, 106.4391



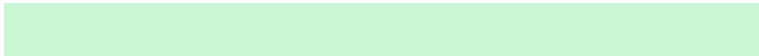
19.4759, 20.4902, 22.3138

Same Dimension

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



40.7881, 47.8473, 45.1167



70.2291, 84.3199, 76.9369



42.2089, 48.4156, 52.5982



9.5140, 10.6917, 10.6904



12.6913, 24.6668, 6.4370



0.5258, 0.9777, 0.4034

Inverse Universe

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



42.9551, 40.3371, 50.3238



74.8017, 68.4702, 87.9228



41.5472, 39.7739, 42.9097



9.8146, 9.6501, 11.4128



17.1854, 8.5053, 16.8019



0.6995, 0.3437, 0.7966

Previews

White Background



This preview shows how the XYZ color 40.7868, 47.8453, 45.1156 looks on a white background.

Color Contrast Check

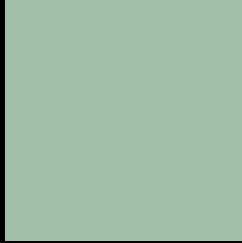
Large Text (above 18pt) WCAG AA × Fail

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 40.7868, 47.8453, 45.1156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

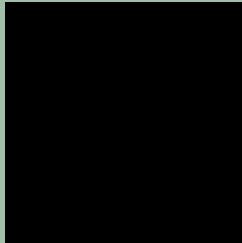
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7868, 47.8453, 45.1156

Background



This preview shows how black text looks on a background with the XYZ color 40.7868, 47.8453, 45.1156.



This preview shows how white text looks on a background with the XYZ color 40.7868, 47.8453,

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

40.7868, 47.8453, 45.1156

Protanopia

45.3023, 47.6965, 42.8951

Deuteranopia

48.4418, 47.4405, 46.1389



Tritanopia

44.0379, 47.5503, 62.1154

Trichromacy



Original Color

40.7868, 47.8453, 45.1156

Protanomaly

43.3563, 47.6111, 43.4640

Deuteranomaly

45.1606, 47.2533, 45.7703

Tritanomaly

42.7945, 47.6835, 55.6635

Monochromacy



Original Color

40.7868, 47.8453, 45.1156

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.2105, 46.2998, 47.7863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7868, 47.8453, 45.1156 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(162, 191, 170)` looks like.

```
.text, #text, p{  
    color:rgb(162, 191, 170)  
}
```

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(162, 191, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 191, 170) }
```

Border

The CSS property to change the border of an element to XYZ 40.7868, 47.8453, 45.1156 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(162, 191, 170) }
```


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

```
.border{ border-color:rgb(162, 191, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 191, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 191, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 191, 170);  
box-shadow:4px 4px 4px 4px rgb(162, 191,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7868, 47.8453, 45.1156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 191, 170) }
```

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

```
.background{ background-color: rgb(162,  
191, 170) }
```

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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