

Converting Colors

XYZ(40.4692, 45.9723, 43.7932)

Have a look what the booklet for
XYZ(40.4692, 45.9723, 43.7932)
contains.

XYZ(40.5631, 46.1605, 43.8177)	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(40.5631, 46.1605,
43.8177)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BAA8
RGB	167, 186, 168
RGB Percent	65%, 73%, 66%
CMY	0.3451, 0.2706, 0.3412
CMYK	0.10, 0.00, 0.10, 0.27
HSL	123°, 12%, 69%
HSV	123°, 10%, 73%
XYZ	40.5631, 46.1605, 43.8177
YIQ	178.2670, -5.5460, -9.6260

Conversions

Conversions Part 2

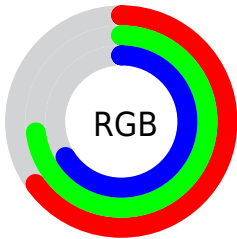
Format	Color
RYB	167, 185, 186
Decimal	10992296
CIELab	73.65, -9.98, 6.91
CIELCh	74, 12.135, 145.294
Yxy	46.1605, 0.3107, 0.3536
Android (android.graphics.Color)	4289182376 (0xFFA7BAA8)
YUV	178.2670, -5.0616, -9.8812
Hunter-Lab	67.9415, -12.3279, 9.3210

Details

The XYZ color **40.5631, 46.1605, 43.8177** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.8270, 41.5803, 51.6697**, and the grayscale version is **42.4874, 44.7001, 48.6784**.

A 20% lighter version of the original color is **75.1956, 84.3616, 82.1322**, and **18.6101, 21.6808, 19.7270** is the 20% darker color. If you saturate the color by 10%, you get **35.3808, 43.6673, 35.5788**, and if you desaturate by 10%, it is **46.5356, 49.0381, 53.2568**.

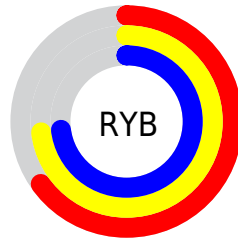
Distribution



Red (65%)

Green (73%)

Blue (66%)



Red (65%)

Yellow (73%)

Blue (73%)

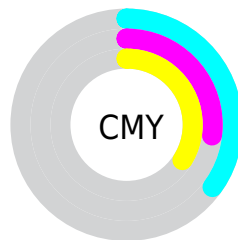


Cyan (10%)

Magenta (0%)

Yellow (10%)

Black (27%)



Cyan (35%)


Magenta (27%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5631, 46.1605, 43.8177 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 40.5631, 46.1605, 43.8177 by changing the saturation by 10% instead.


 40.5631, 46.1605,
43.8177


 40.5631, 46.1605,
43.8177


339.5851,
371.4535, 377.9834

 28.1640, 32.3725,
30.1911


 75.2991, 84.4591,
82.2429

 18.5904, 21.6462,
19.7304


 98.3668, 109.7386,
107.8786

 11.4770, 13.5971,
12.0171


125.7213,
139.6173, 138.3543

 6.4582, 7.8410,
6.6326

157.7282,
174.4796, 174.0887

 3.1690, 3.9934,
3.1585

194.7526,
214.7100, 215.5003

 1.2437, 1.6699,
1.1761

237.1600,

 0.1405, 0.4040,

260.6929, 263.0075

0.0000

285.3157,
312.8126, 317.0291

■ 0.0000, 0.0000,
0.0000

■ 40.5631, 46.1605,
43.8177

■ 40.5631, 46.1605,
43.8177

■ 35.3808, 43.6673,
35.5788

■ 46.5356, 49.0381,
53.2568

■ 30.9521, 41.5365,
28.4891

■ 53.3256, 52.3090,
63.9383

■ 27.2430, 39.7531,
22.4985

■ 60.9635, 55.9895,
75.9061

■ 24.2154, 38.2987,
17.5521

■ 69.4772, 60.0930,
89.2010

■ 21.8279, 37.1531,
13.5900

■ 76.8498, 63.5997,
102.8333

■ 20.0343, 36.2940,
10.5465

■ 18.7826, 35.6961,
8.3479

■ 18.0112, 35.3295,
6.9088

■ 17.6135, 35.1412,
6.1358

Harmonies

Analogous

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



42.1317, 46.1605, 40.2998



40.5631, 46.1605, 43.8177



39.8823, 46.1605, 49.2960

Triad

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



40.5631, 46.1605, 43.8177



43.5359, 46.1605, 63.0061



47.7184, 46.1605, 45.3708

Complementary

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



40.5631, 46.1605, 43.8177



42.8270, 41.5803, 51.6697

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.



48.1239, 46.1605, 51.2384



40.5631, 46.1605, 43.8177



45.6641, 46.1605, 61.7415

Square

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



40.5631, 46.1605, 43.8177



41.5626, 46.1605, 60.6343



47.3607, 46.1605, 57.3067



46.2699, 46.1605, 41.1438

Rectangle

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



40.5631, 46.1605, 43.8177



40.0067, 46.1605, 53.4486



47.3607, 46.1605, 57.3067



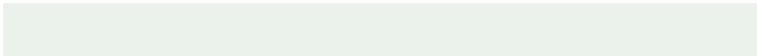
47.9832, 46.1605, 47.2026

Sweetspot

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



40.5644, 46.1625, 43.8187



81.1300, 87.3317, 91.4548



44.5557, 48.2308, 43.5207



17.6686, 19.1368, 19.8279



90.7827, 95.5105, 104.0109



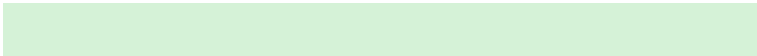
18.6292, 19.5994, 21.3438

Same Dimension

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



40.5644, 46.1625, 43.8187



71.5480, 82.7177, 76.2902



41.4774, 46.5277, 48.6267



8.9090, 10.0676, 9.6782



11.8580, 23.6441, 4.1740



0.4245, 0.8361, 0.1814

Inverse Universe

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



42.8270, 41.5803, 51.6697



76.3787, 72.9347, 93.0518



41.8619, 41.1943, 46.5874



9.3600, 9.1544, 11.2430



18.9182, 9.1410, 28.5196



0.6732, 0.3248, 1.0384

Previews

White Background



This preview shows how the XYZ color 40.5631, 46.1605, 43.8177 looks on a white background.

Color Contrast Check

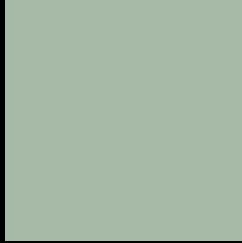
Large Text (above 18pt) WCAG AA × Fail

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 40.5631, 46.1605, 43.8177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

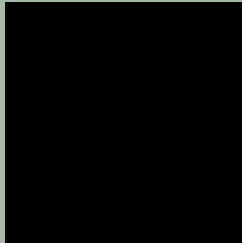
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5631, 46.1605, 43.8177

Background



This preview shows how black text looks on a background with the XYZ color 40.5631, 46.1605, 43.8177.



This preview shows how white text looks on a background with the XYZ color 40.5631, 46.1605,

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

40.5631, 46.1605, 43.8177

Protanopia

43.8518, 46.0505, 42.1747

Deuteranopia

46.7489, 45.7309, 44.3932



Tritanopia

43.7050, 46.2121, 58.8409

Trichromacy



Original Color

40.5631, 46.1605, 43.8177

Protanomaly

42.4333, 45.9124, 42.7019

Deuteranomaly

44.0681, 45.5242, 44.0005

Tritanomaly

42.3740, 45.9582, 53.0918

Monochromacy



Original Color

40.5631, 46.1605, 43.8177

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.6194, 45.1024, 46.5565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5631, 46.1605, 43.8177 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(167, 186, 168)` looks like.

```
.text, #text, p{  
    color:rgb(167, 186, 168)  
}
```

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(167, 186, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 186, 168) }
```

Border

The CSS property to change the border of an element to XYZ 40.5631, 46.1605, 43.8177 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(167, 186, 168) }
```


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

```
.border{ border-color:rgb(167, 186, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 186, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 186, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 186, 168);  
box-shadow:4px 4px 4px 4px rgb(167, 186,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5631, 46.1605, 43.8177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 186, 168) }
```

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

```
.background{ background-color: rgb(167,  
186, 168) }
```

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