

Converting Colors

XYZ(40.2179, 46.0837, 42.3997)

Have a look what the booklet for
XYZ(40.2179, 46.0837, 42.3997)
contains.

XYZ(40.0763, 45.9414, 42.3526)	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(40.0763, 45.9414,
42.3526)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BAA5
RGB	166, 186, 165
RGB Percent	65%, 73%, 65%
CMY	0.3490, 0.2706, 0.3529
CMYK	0.11, 0.00, 0.11, 0.27
HSL	117°, 13%, 69%
HSV	117°, 11%, 73%
XYZ	40.0763, 45.9414, 42.3526
YIQ	177.6260, -5.1790, -10.7710

Conversions

Conversions Part 2

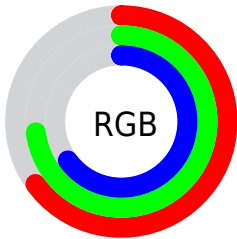
Format	Color
RYB	165, 186, 185
Decimal	10926757
CIELab	73.51, -10.88, 8.33
CIELCh	74, 13.698, 142.555
Yxy	45.9414, 0.3122, 0.3579
Android (android.graphics.Color)	4289116837 (0xFFA6BAA5)
YUV	177.6260, -6.2246, -10.1960
Hunter-Lab	67.7801, -13.0735, 10.3985

Details

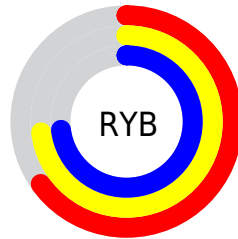
The XYZ color **40.0763, 45.9414, 42.3526** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3274, 40.7710, 52.0954**, and the grayscale version is **42.1542, 44.3495, 48.2966**.

A 20% lighter version of the original color is **74.4892, 84.0437, 80.0062**, and **18.3076, 21.5447, 18.8164** is the 20% darker color. If you saturate the color by 10%, you get **35.0439, 43.5300, 33.9131**, and if you desaturate by 10%, it is **45.8691, 48.7189, 52.1150**.

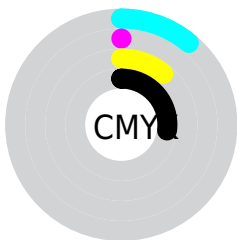
Distribution



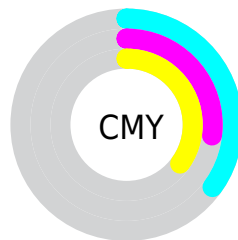
- Red (65%)
- Green (73%)
- Blue (65%)



- Red (65%)
- Yellow (73%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0763, 45.9414, 42.3526 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 40.0763, 45.9414, 42.3526 by changing the saturation by 10% instead.

■ 40.0763, 45.9414,
42.3526

■ 40.0763, 45.9414,
42.3526

337.5740,
370.5730, 371.7852

■ 27.7825, 32.1996,
29.0499

■ 74.5633, 84.1313,
80.0088

■ 18.3014, 21.5140,
18.8726

■ 97.4872, 109.3482,
105.1994

■ 11.2676, 13.5002,
11.4024

124.6852,
139.1588, 135.1897

■ 6.3157, 7.7739,
6.2206

156.5226,
173.9477, 170.3982

■ 3.0805, 3.9506,
2.9087

193.3649,
214.0991, 211.2434

■ 1.1965, 1.6460,
1.0482

235.5773,

■ 0.1036, 0.3883,

259.9976, 258.1440

0.0000

283.5252,
312.0274, 311.5184

■ 0.0000, 0.0000,
0.0000

■ 40.0763, 45.9414,
42.3526

■ 40.0763, 45.9414,
42.3526

■ 35.0439, 43.5300,
33.9131

■ 45.8691, 48.7189,
52.1150

■ 30.7367, 41.4640,
26.7367

■ 52.4479, 51.8708,
63.2505

■ 27.1224, 39.7292,
20.7635

■ 59.8421, 55.4123,
75.8105

■ 24.1648, 38.3085,
15.9279

■ 68.0782, 59.3561,
89.8427

■ 21.8245, 37.1830,
12.1575

■ 76.6942, 63.5194,
102.8260

■ 20.0577, 36.3320,
9.3721

■ 76.8498, 63.5996,
102.8333

■ 18.8148, 35.7319,
7.4798

■ 18.0382, 35.3552,
6.3715

■ 17.6706, 35.1767,
5.8585

Harmonies

Analogous

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



41.9061, 45.9414, 38.7015



40.0763, 45.9414, 42.3526



39.2144, 45.9414, 48.3161

Triad

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



40.0763, 45.9414, 42.3526



43.0660, 45.9414, 64.4274



48.1037, 45.9414, 45.0850

Complementary

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



40.0763, 45.9414, 42.3526



42.3274, 40.7710, 52.0954

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.



48.4422, 45.9414, 51.7684



40.0763, 45.9414, 42.3526



45.4744, 45.9414, 63.3602

Square

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



40.0763, 45.9414, 42.3526



40.8986, 45.9414, 61.3609



47.4637, 45.9414, 58.5663



46.5554, 45.9414, 40.1744

Rectangle

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



40.0763, 45.9414, 42.3526



39.2815, 45.9414, 52.9741



47.4637, 45.9414, 58.5663



48.3651, 45.9414, 47.1823

Sweetspot

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



40.0776, 45.9434, 42.3536



81.1889, 87.3685, 91.1687



44.3817, 47.8350, 42.4919



17.6849, 19.1469, 19.7490



90.7827, 95.5105, 104.0109



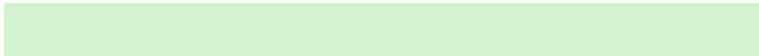
18.6292, 19.5994, 21.3438

Same Dimension

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



40.0776, 45.9434, 42.3536



69.8169, 81.9180, 72.0228



40.7613, 46.1928, 47.0439



8.9288, 10.0800, 9.5819



11.9058, 23.6740, 3.9420



0.4332, 0.8415, 0.1396

Inverse Universe

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



42.3274, 40.7710, 52.0954



74.8536, 70.3379, 93.8328



41.5974, 40.5069, 46.9879



9.3376, 9.1404, 11.3516



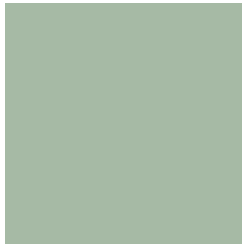
18.2019, 8.6946, 31.9720



0.6547, 0.3132, 1.1277

Previews

White Background



This preview shows how the XYZ color 40.0763, 45.9414, 42.3526 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 40.0763, 45.9414, 42.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

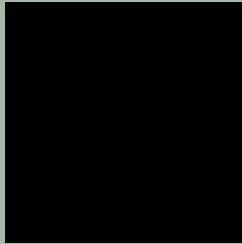
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

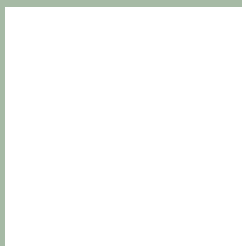
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0763, 45.9414, 42.3526

Background



This preview shows how black text looks on a background with the XYZ color 40.0763, 45.9414, 42.3526.



This preview shows how white text looks on a background with the XYZ color 40.0763, 45.9414,

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

40.0763, 45.9414, 42.3526

Protanopia

43.5819, 45.9425, 40.7532

Deuteranopia

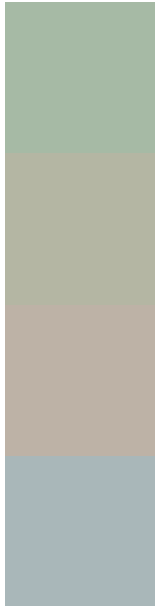
46.4682, 45.6187, 42.9154



Tritanopia

43.4863, 46.0993, 58.8306

Trichromacy



Original Color

40.0763, 45.9414, 42.3526

Protanomaly

42.1612, 45.8035, 41.2692

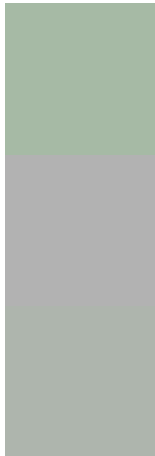
Deuteranomaly

43.7896, 45.4128, 42.5340

Tritanomaly

42.0526, 45.8048, 52.5237

Monochromacy



Original Color

40.0763, 45.9414, 42.3526

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.5223, 45.0635, 46.0448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0763, 45.9414, 42.3526 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(166, 186, 165)` looks like.

```
.text, #text, p{  
    color:rgb(166, 186, 165)  
}
```

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(166, 186, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 186, 165) }
```

Border

The CSS property to change the border of an element to XYZ 40.0763, 45.9414, 42.3526 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(166, 186, 165) }
```


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

```
.border{ border-color:rgb(166, 186, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 186, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 186, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 186, 165);  
box-shadow:4px 4px 4px 4px rgb(166, 186,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0763, 45.9414, 42.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 186, 165) }
```

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

```
.background{ background-color: rgb(166,  
186, 165) }
```

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