

Converting Colors

XYZ(41.7322, 45.6523, 42.5692)

Have a look what the booklet for
XYZ(41.7322, 45.6523, 42.5692)
contains.

XYZ(41.7423, 45.5562, 42.6696)	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(41.7423, 45.5562,
42.6696)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B6A6
RGB	177, 182, 166
RGB Percent	69%, 71%, 65%
CMY	0.3059, 0.2863, 0.3490
CMYK	0.03, 0.00, 0.09, 0.29
HSL	79°, 10%, 68%
HSV	79°, 9%, 71%
XYZ	41.7423, 45.5562, 42.6696
YIQ	178.6810, 2.1560, -6.0360

Conversions

Conversions Part 2

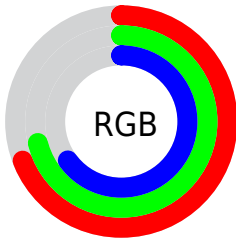
Format	Color
RYB	166, 182, 171
Decimal	11646630
CIELab	73.26, -4.67, 7.53
CIElCh	73, 8.863, 121.793
Yxy	45.5562, 0.3212, 0.3505
Android (android.graphics.Color)	4289836710 (0xFFB1B6A6)
YUV	178.6810, -6.2517, -1.4742
Hunter-Lab	67.4953, -7.7240, 9.7644

Details

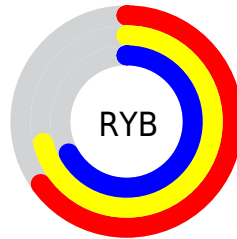
The XYZ color **41.7423, 45.5562, 42.6696** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **38.8762, 39.3091, 49.7969**, and the grayscale version is **42.7104, 44.9347, 48.9339**.

A 20% lighter version of the original color is **77.2300, 83.6932, 80.4906**, and **19.1997, 21.2005, 18.9998** is the 20% darker color. If you saturate the color by 10%, you get **38.9205, 44.2823, 34.4305**, and if you desaturate by 10%, it is **44.8570, 46.9564, 52.1577**.

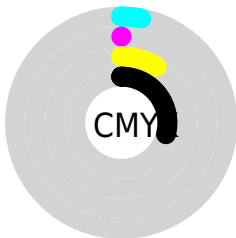
Distribution



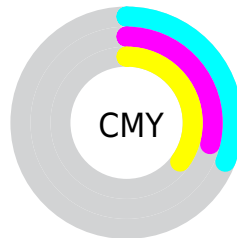
- Red (69%)
- Green (71%)
- Blue (65%)



- Red (65%)
- Yellow (71%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7423, 45.5562, 42.6696 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 41.7423, 45.5562, 42.6696 by changing the saturation by 10% instead.

■ 41.7423, 45.5562,
42.6696

■ 41.7423, 45.5562,
42.6696

344.4234,
369.0215, 373.1324

■ 29.0898, 31.8958,
29.2965

■ 77.0771, 83.5544,
80.4930

■ 19.2934, 21.2819,
19.0577

■ 100.4900,
108.6610, 105.7804

■ 11.9877, 13.3302,
11.5348

128.2205,
138.3517, 135.8763

■ 6.8075, 7.6563,
6.3091

160.6339,
173.0110, 171.1993

■ 3.3872, 3.8758,
2.9621

198.0955,
213.0232, 212.1679

■ 1.3617, 1.6043,
1.0753

240.9708,

■ 0.2287, 0.3605,

258.7728, 259.2005

0.0000

289.6249,
310.6441, 312.7159

■ 0.0000, 0.0000,
0.0000

■ 41.7423, 45.5562,
42.6696

■ 41.7423, 45.5562,
42.6696

■ 38.9205, 44.2823,
34.4305

■ 44.8570, 46.9564,
52.1577

■ 36.3774, 43.1246,
27.3854

■ 48.2707, 48.4812,
62.9409

■ 34.1029, 42.0804,
21.4796

■ 51.9942, 50.1362,
75.0664

■ 32.0850, 41.1449,
16.6530

■ 56.0365, 51.9251,
88.5782

■ 30.3105, 40.3126,
12.8400

■ 60.0817, 53.7218,
101.8104

■ 28.7649, 39.5778,
9.9678

■ 61.6850, 54.5484,
101.8855

■ 27.4318, 38.9338,
7.9539

■ 63.3460, 55.4047,
101.9632

■ 26.2921, 38.3728,
6.7015

■ 65.0654, 56.2910,
102.0437

■ 25.3129, 37.8816,
6.0408

■ 66.8437, 57.2078,
102.1269

Harmonies

Analogous

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



43.2062, 45.5562, 41.5208



41.7423, 45.5562, 42.6696



40.7159, 45.5562, 45.6616

Triad

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



41.7423, 45.5562, 42.6696



41.9008, 45.5562, 57.5450



46.3601, 45.5562, 49.3353

Complementary

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



41.7423, 45.5562, 42.6696



38.8762, 39.3091, 49.7969

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.



45.9907, 45.5562, 53.7649



41.7423, 45.5562, 42.6696



43.3935, 45.5562, 58.6713

Square

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



41.7423, 45.5562, 42.6696



40.8059, 45.5562, 54.2565



44.8956, 45.5562, 57.2494



45.8933, 45.5562, 45.2234

Rectangle

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



41.7423, 45.5562, 42.6696



40.4051, 45.5562, 48.3897



44.8956, 45.5562, 57.2494



46.3296, 45.5562, 50.8364

Sweetspot

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



41.7435, 45.5582, 42.6706



78.8519, 84.0199, 86.9506



40.7012, 41.7501, 41.9905



17.3151, 18.5122, 18.8972



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.



41.7435, 45.5582, 42.6706



74.4044, 82.0185, 73.5794



40.0175, 44.6684, 42.5898



9.4696, 10.3587, 9.6072



17.8658, 26.7465, 4.2210



0.6905, 0.9742, 0.1516

Inverse Universe

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



38.8762, 39.3091, 49.7969



67.8978, 67.8376, 89.7511



40.6256, 40.2109, 49.8787



8.7783, 8.8521, 11.3254



7.2120, 3.0291, 31.4576



0.3200, 0.1407, 1.1120

Previews

White Background



This preview shows how the XYZ color 41.7423, 45.5562, 42.6696 looks on a white background.

Color Contrast Check

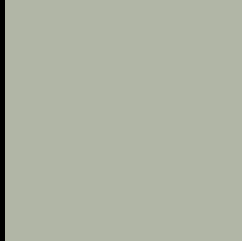
Large Text (above 18pt) WCAG AA × Fail

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 41.7423, 45.5562, 42.6696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

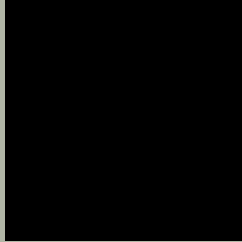
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

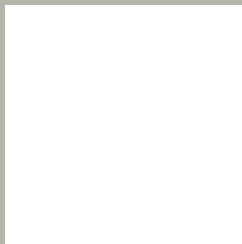
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7423, 45.5562, 42.6696

Background



This preview shows how black text looks on a background with the XYZ color 41.7423, 45.5562, 42.6696.



This preview shows how white text looks on a background with the XYZ color 41.7423, 45.5562,

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

41.7423, 45.5562, 42.6696

Protanopia

43.3145, 45.4853, 41.6186

Deuteranopia

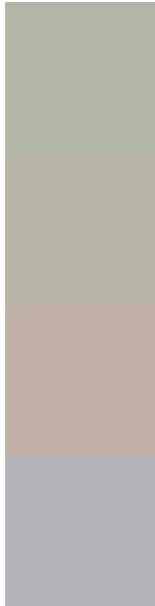
46.5611, 45.6558, 43.4042



Tritanopia

44.4909, 45.4703, 56.3009

Trichromacy



Original Color

41.7423, 45.5562, 42.6696

Protanomaly

42.6412, 45.4264, 42.1180

Deuteranomaly

44.6895, 45.5718, 43.0001

Tritanomaly

43.4897, 45.3624, 51.2634

Monochromacy



Original Color

41.7423, 45.5562, 42.6696

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.3213, 45.1635, 46.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7423, 45.5562, 42.6696 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(177, 182, 166)` looks like.

```
.text, #text, p{  
    color:rgb(177, 182, 166)  
}
```

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(177, 182, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 182, 166) }
```

Border

The CSS property to change the border of an element to XYZ 41.7423, 45.5562, 42.6696 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(177, 182, 166) }
```


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

```
.border{ border-color:rgb(177, 182, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 182, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 182, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 182, 166);  
box-shadow:4px 4px 4px 4px rgb(177, 182,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7423, 45.5562, 42.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 182, 166) }
```

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

```
.background{ background-color: rgb(177,  
182, 166) }
```

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