

Converting Colors

XYZ(41.9906, 45.1643, 51.1540)

Have a look what the booklet for
XYZ(41.9906, 45.1643, 51.1540)
contains.

XYZ(42.0844, 45.2373, 51.3133)	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(42.0844, 45.2373,
51.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB5B7
RGB	172, 181, 183
RGB Percent	67%, 71%, 72%
CMY	0.3255, 0.2902, 0.2823
CMYK	0.06, 0.01, 0.00, 0.28
HSL	191°, 7%, 70%
HSV	191°, 6%, 72%
XYZ	42.0844, 45.2373, 51.3133
YIQ	178.5370, -6.0060, -1.2860

Conversions

Conversions Part 2

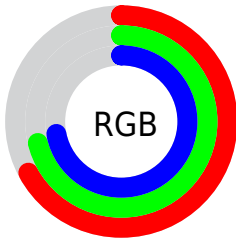
Format	Color
R _Y B	172, 177, 183
Decimal	11318711
CIE Lab	73.05, -2.73, -2.11
CIE LCh	73, 3.453, 217.642
Yxy	45.2373, 0.3036, 0.3263
Android (android.graphics.Color)	4289508791 (0xFFACB5B7)
YUV	178.5370, 2.2003, -5.7329
Hunter-Lab	67.2587, -6.0135, 1.8473

Details

The XYZ color **42.0844, 45.2373, 51.3133** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.1111, 43.3176, 45.1722**, and the grayscale version is **42.5935, 44.8117, 48.8000**.

A 20% lighter version of the original color is **77.5427, 83.1313, 93.6204**, and **19.4942, 21.0431, 24.1534** is the 20% darker color. If you saturate the color by 10%, you get **37.6742, 41.9739, 50.9165**, and if you desaturate by 10%, it is **47.0665, 48.8219, 51.7433**.

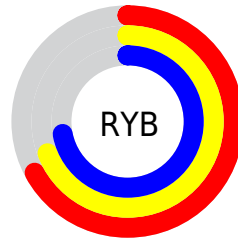
Distribution



Red (67%)

Green (71%)

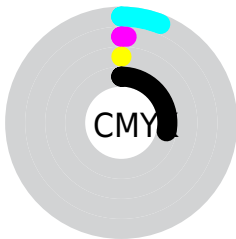
Blue (72%)



Red (67%)

Yellow (69%)

Blue (72%)

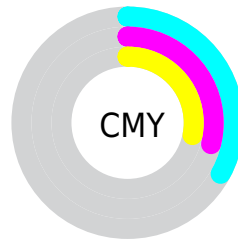


Cyan (6%)

Magenta (1%)

Yellow (0%)

Black (28%)



Cyan (33%)

Magenta (29%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0844, 45.2373, 51.3133 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 42.0844, 45.2373, 51.3133 by changing the saturation by 10% instead.

■ 42.0844, 45.2373,
51.3133

■ 42.0844, 45.2373,
51.3133

345.8184,
367.7338, 408.6611

■ 29.3588, 31.6444,
36.0795

■ 77.5917, 83.0764,
93.5340

■ 19.4980, 21.0900,
24.2055

101.1041,
108.0914, 121.3579

■ 12.1368, 13.1898,
15.2725

128.9428,
137.6824, 154.2157

■ 6.9098, 7.5594,
8.8621

161.4732,
172.2341, 192.5259

■ 3.4516, 3.8143,
4.5558

199.0606,
212.1306, 236.7070

■ 1.3968, 1.5703,
1.9349

242.0703,

■ 0.2540, 0.3374,

257.7565, 287.1775

0.5148

290.8678,
309.4961, 344.3560

■ 0.0000, 0.0000,
0.0000

■ 42.0844, 45.2373,
51.3133

■ 42.0844, 45.2373,
51.3133

■ 37.6742, 41.9739,
50.9165

■ 47.0665, 48.8219,
51.7433

■ 33.8093, 39.0142,
50.5490

■ 52.6377, 52.7330,
52.2046

■ 30.4669, 36.3475,
50.2104

■ 58.8197, 56.9832,
52.6991

■ 27.6211, 33.9602,
49.8996

■ 65.6315, 61.5825,
53.2279

■ 25.2437, 31.8375,
49.6152

■ 69.8940, 64.8922,
53.6420

■ 23.3035, 29.9634,
49.3557

■ 70.6599, 66.4240,
53.8973

■ 21.7654, 28.3195,
49.1195

■ 71.4426, 67.9893,
54.1582

■ 20.5889, 26.8847,
48.9045

■ 72.2421, 69.5884,
54.4247

■ 19.7217, 25.6319,
48.7084

■ 73.0586, 71.2213,
54.6969

Harmonies

Analogous

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



41.8569, 45.2373, 49.6990



42.0844, 45.2373, 51.3133



42.5568, 45.2373, 52.3935

Triad

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



42.0844, 45.2373, 51.3133



44.0788, 45.2373, 50.5307



42.8426, 45.2373, 46.0349

Complementary

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



42.0844, 45.2373, 51.3133



42.1111, 43.3176, 45.1722

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.



43.4396, 45.2373, 46.2458



42.0844, 45.2373, 51.3133



44.1570, 45.2373, 48.8151

Square

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



42.0844, 45.2373, 51.3133



43.7093, 45.2373, 51.9343



43.9221, 45.2373, 47.2539



42.2919, 45.2373, 46.6709

Rectangle

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



42.0844, 45.2373, 51.3133



42.9490, 45.2373, 52.6513



43.9221, 45.2373, 47.2539



43.0445, 45.2373, 46.0094

Sweetspot

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



42.0857, 45.2392, 51.3143



78.7977, 83.5046, 92.2006



41.5712, 45.6879, 46.5877



17.4245, 18.4584, 20.3661



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.



42.0857, 45.2392, 51.3143



74.4514, 80.3479, 91.8204



41.0213, 43.1105, 50.9595



9.3158, 10.0664, 11.5315



13.5920, 17.6436, 33.9423



0.5157, 0.6952, 1.2087

Inverse Universe

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



42.6225, 42.9095, 49.7542



75.5837, 75.4540, 88.5248



43.1625, 45.4206, 45.5227



9.4649, 9.4228, 11.0973



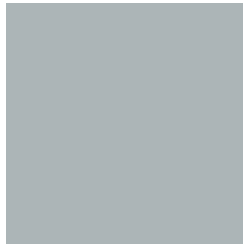
17.4743, 8.5635, 20.9162



0.6345, 0.3093, 0.8346

Previews

White Background



This preview shows how the XYZ color 42.0844, 45.2373, 51.3133 looks on a white background.

Color Contrast Check

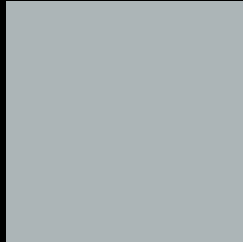
Large Text (above 18pt) WCAG AA × Fail

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 42.0844, 45.2373, 51.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

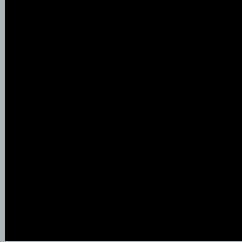
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

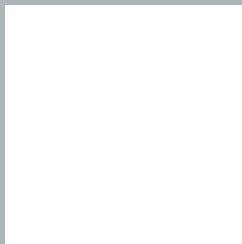
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0844, 45.2373, 51.3133

Background



This preview shows how black text looks on a background with the XYZ color 42.0844, 45.2373, 51.3133.

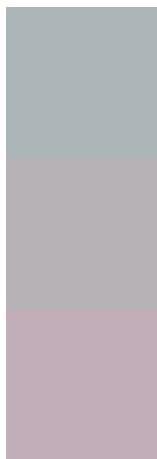


This preview shows how white text looks on a background with the XYZ color 42.0844, 45.2373,

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

42.0844, 45.2373, 51.3133

Protanopia

43.5523, 45.1221, 50.1300

Deuteranopia

46.0359, 45.2021, 51.6459



Tritanopia

43.3133, 45.1339, 57.4678

Trichromacy



Original Color

42.0844, 45.2373, 51.3133

Protanomaly

42.9237, 45.0826, 50.6955

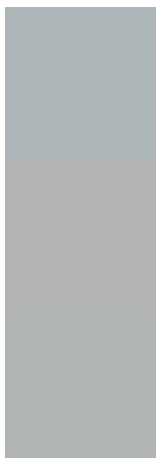
Deuteranomaly

44.6236, 45.3441, 51.7478

Tritanomaly

42.8491, 45.2445, 55.1899

Monochromacy



Original Color

42.0844, 45.2373, 51.3133

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.4640, 45.1679, 49.6602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0844, 45.2373, 51.3133 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(172, 181, 183)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 183)  
}
```

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(172, 181, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 183) }
```

Border

The CSS property to change the border of an element to XYZ 42.0844, 45.2373, 51.3133 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(172, 181, 183) }
```


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

```
.border{ border-color:rgb(172, 181, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 181, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 181, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 181, 183);  
box-shadow:4px 4px 4px 4px rgb(172, 181,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0844, 45.2373, 51.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 183) }
```

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

```
.background{ background-color: rgb(172,  
181, 183) }
```

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