

Converting Colors

XYZ(42.6962, 45.6640, 47.5897)

Have a look what the booklet for
XYZ(42.6962, 45.6640, 47.5897)
contains.

XYZ(42.7204, 45.6473, 47.6335)	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(42.7204, 45.6473,
47.6335)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B5B0
RGB	178, 181, 176
RGB Percent	70%, 71%, 69%
CMY	0.3020, 0.2902, 0.3098
CMYK	0.02, 0.00, 0.03, 0.29
HSL	96°, 3%, 70%
HSV	96°, 3%, 71%
XYZ	42.7204, 45.6473, 47.6335
YIQ	179.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

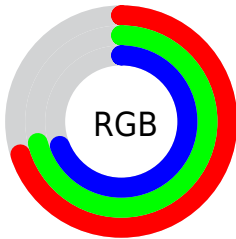
Format	Color
RYB	176, 181, 179
Decimal	11711920
CIELab	73.32, -1.98, 2.17
CIElCh	73, 2.935, 132.421
Yxy	45.6473, 0.3141, 0.3356
Android (android.graphics.Color)	4289902000 (0xFFB2B5B0)
YUV	179.5330, -1.7418, -1.3444
Hunter-Lab	67.5628, -5.3681, 5.4930

Details

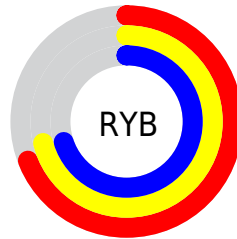
The XYZ color **42.7204, 45.6473, 47.6335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.4580, 43.9718, 49.9681**, and the grayscale version is **43.1424, 45.3892, 49.4288**.

A 20% lighter version of the original color is **78.7814, 83.8870, 88.3835**, and **19.8147, 21.2536, 22.1268** is the 20% darker color. If you saturate the color by 10%, you get **38.6526, 43.7449, 38.7094**, and if you desaturate by 10%, it is **47.2271, 47.7510, 57.8266**.

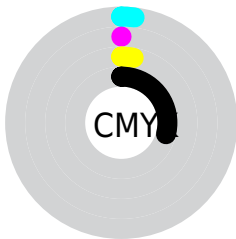
Distribution



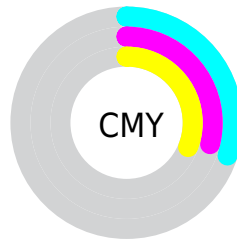
- Red (70%)
- Green (71%)
- Blue (69%)



- Red (69%)
- Yellow (71%)
- Blue (70%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)



- Cyan (30%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7204, 45.6473, 47.6335 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 42.7204, 45.6473, 47.6335 by changing the saturation by 10% instead.

■ 42.7204, 45.6473,
47.6335

■ 42.7204, 45.6473,
47.6335

348.4017,
369.3889, 393.8043

■ 29.8594, 31.9676,
33.1788

■ 78.5471, 83.6909,
88.0183

■ 19.8794, 21.3367,
21.9912

102.2435,
108.8236, 114.7856

■ 12.4152, 13.3704,
13.6522

130.2824,
138.5427, 146.4940

■ 7.1013, 7.6841,
7.7432

163.0291,
173.2327, 183.5623

■ 3.5724, 3.8935,
3.8457

200.8491,
213.2779, 226.4090

■ 1.4632, 1.6142,
1.5411

244.1076,

■ 0.3006, 0.3671,

259.0627, 275.4525

0.2482

293.1700,
310.9716, 331.1114

■ 0.0000, 0.0000,
0.0000

■ 42.7204, 45.6473,
47.6335

■ 42.7204, 45.6473,
47.6335

■ 38.6526, 43.7449,
38.7094

■ 47.2271, 47.7510,
57.8266

■ 35.0060, 42.0319,
31.0018

■ 52.1822, 50.0559,
69.3326

■ 31.7672, 40.5036,
24.4587

■ 57.5996, 52.5695,
82.1970

■ 28.9204, 39.1534,
19.0234

■ 63.4914, 55.2972,
96.4622

■ 26.4490, 37.9739,
14.6344

■ 67.9612, 57.4809,
102.1207

■ 24.3348, 36.9573,
11.2240

■ 71.6052, 59.3594,
102.2913

■ 22.5579, 36.0950,
8.7169

■ 75.4712, 61.3524,
102.4722

■ 21.0962, 35.3773,
7.0267

■ 75.8148, 61.5295,
102.4883

■ 19.9237, 34.7933,
6.0498

Harmonies

Analogous

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



43.1733, 45.6473, 46.9780



42.7204, 45.6473, 47.6335



42.4472, 45.6473, 48.8487

Triad

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



42.7204, 45.6473, 47.6335



43.0874, 45.6473, 52.4610



44.3628, 45.6473, 49.0933

Complementary

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



42.7204, 45.6473, 47.6335



42.4580, 43.9718, 49.9681

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.



44.3393, 45.6473, 50.5655



42.7204, 45.6473, 47.6335



43.6002, 45.6473, 52.5297

Square

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



42.7204, 45.6473, 47.6335



42.6579, 45.6473, 51.6441



44.0593, 45.6473, 51.8298



44.1231, 45.6473, 47.8095

Rectangle

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



42.7204, 45.6473, 47.6335



42.4024, 45.6473, 49.8223



44.0593, 45.6473, 51.8298



44.3854, 45.6473, 49.5822

Sweetspot

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



42.7217, 45.6493, 47.6345



77.8624, 82.3844, 88.3312



43.0144, 45.2004, 47.5324



16.8380, 17.8105, 19.1121



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



42.7217, 45.6493, 47.6345



76.2904, 81.6501, 84.8195



42.3158, 45.4343, 47.8744



9.2005, 9.8846, 10.1596



13.3250, 23.7793, 3.8876



0.4860, 0.7826, 0.1254

Inverse Universe

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



42.4580, 43.9718, 49.9681



75.7703, 78.3414, 89.4225



42.8724, 44.1913, 49.7199



9.1238, 9.3962, 10.8391



10.1484, 4.5675, 30.4837



0.3830, 0.1765, 0.9621

Previews

White Background



This preview shows how the XYZ color 42.7204, 45.6473, 47.6335 looks on a white background.

Color Contrast Check

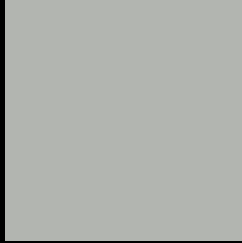
Large Text (above 18pt) WCAG AA × Fail

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 42.7204, 45.6473, 47.6335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

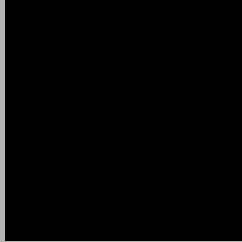
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

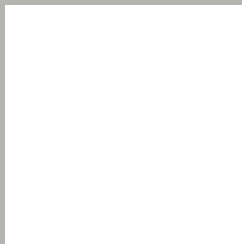
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7204, 45.6473, 47.6335

Background



This preview shows how black text looks on a background with the XYZ color 42.7204, 45.6473, 47.6335.



This preview shows how white text looks on a background with the XYZ color 42.7204, 45.6473,

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

42.7204, 45.6473, 47.6335

Protanopia

43.6251, 45.5257, 47.0455

Deuteranopia

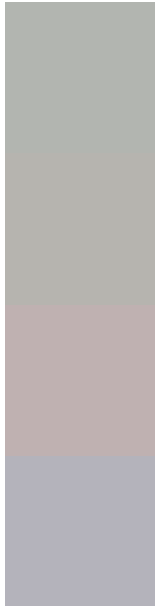
46.3606, 45.4522, 47.9247



Tritanopia

44.6021, 45.5148, 56.8865

Trichromacy



Original Color

42.7204, 45.6473, 47.6335

Protanomaly

43.3505, 45.6827, 47.0903

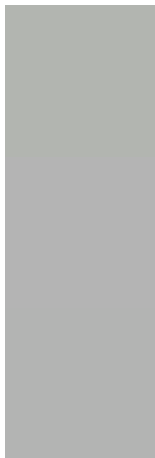
Deuteranomaly

45.1438, 45.6950, 48.0356

Tritanomaly

43.9121, 45.5314, 53.4877

Monochromacy



Original Color

42.7204, 45.6473, 47.6335

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.0483, 45.4809, 49.1576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7204, 45.6473, 47.6335 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(178, 181, 176)` looks like.

```
.text, #text, p{  
    color:rgb(178, 181, 176)  
}
```

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(178, 181, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 181, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.7204, 45.6473, 47.6335 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(178, 181, 176) }
```


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

```
.border{ border-color:rgb(178, 181, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 181, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 181, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 181, 176);  
box-shadow:4px 4px 4px 4px rgb(178, 181,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7204, 45.6473, 47.6335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 181, 176) }
```

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

```
.background{ background-color: rgb(178,  
181, 176) }
```

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