

Converting Colors

XYZ(42.6866, 45.2664, 49.6373)

Have a look what the booklet for
XYZ(42.6866, 45.2664, 49.6373)
contains.

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Color

**XYZ(42.6909, 45.2849,
49.6708)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B4B4
RGB	177, 180, 180
RGB Percent	69%, 71%, 71%
CMY	0.3059, 0.2941, 0.2941
CMYK	0.02, 0.00, 0.00, 0.29
HSL	180°, 2%, 70%
HSV	180°, 2%, 71%
XYZ	42.6909, 45.2849, 49.6708
YIQ	179.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

Format	Color
RYB	177, 179, 180
Decimal	11646132
CIELab	73.08, -1.05, -0.38
CIElCh	73, 1.112, 199.771
Yxy	45.2849, 0.3101, 0.3290
Android (android.graphics.Color)	4289836212 (0xFFB1B4B4)
YUV	179.1030, 0.4422, -1.8443
Hunter-Lab	67.2941, -4.5254, 3.3430

Details

The XYZ color **42.6909, 45.2849, 49.6708** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.4820, 44.3230, 47.9133**, and the grayscale version is **42.9021, 45.1363, 49.1535**.

A 20% lighter version of the original color is **78.7400, 83.3707, 91.2990**, and **19.7323, 20.9961, 23.0913** is the 20% darker color. If you saturate the color by 10%, you get **38.8568, 43.3098, 49.4825**, and if you desaturate by 10%, it is **47.0684, 47.5427, 49.8864**.

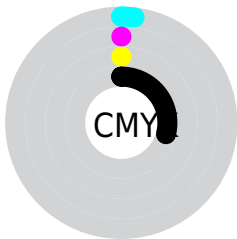
Distribution



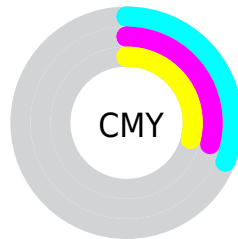
- Red (69%)
- Green (71%)
- Blue (71%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6909, 45.2849, 49.6708 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 42.6909, 45.2849, 49.6708 by changing the saturation by 10% instead.

■ 42.6909, 45.2849,
49.6708

■ 42.6909, 45.2849,
49.6708

348.2821,
367.9262, 402.0753

■ 29.8361, 31.6819,
34.7825

■ 78.5028, 83.1478,
91.0782

■ 19.8617, 21.1186,
23.2132

102.1907,
108.1764, 118.4344

■ 12.4022, 13.2108,
14.5442

130.2203,
137.7824, 150.7837

■ 7.0924, 7.5738,
8.3571

162.9571,
172.3501, 188.5447

■ 3.5668, 3.8235,
4.2333

200.7663,
212.2640, 232.1357

■ 1.4601, 1.5753,
1.7542

244.0133,

■ 0.2984, 0.3409,

257.9083, 281.9755

0.3975

293.0634,
309.6676, 338.4825

■ 0.0000, 0.0000,
0.0000

■ 42.6909, 45.2849,
49.6708

■ 42.6909, 45.2849,
49.6708

■ 38.8568, 43.3098,
49.4825

■ 47.0684, 47.5427,
49.8864

■ 35.5413, 41.6008,
49.3175

■ 52.0054, 50.0875,
50.1273

■ 32.7232, 40.1483,
49.1758

■ 57.5219, 52.9312,
50.3953

■ 30.3786, 38.9398,
49.0562

■ 63.6359, 56.0829,
50.6913

■ 28.4814, 37.9620,
48.9576

■ 65.8099, 57.2034,
50.8029

■ 27.0033, 37.2002,
48.8786

■ 65.8118, 57.2041,
50.8128

■ 25.9124, 36.6381,
48.8177

■ 65.8137, 57.2049,
50.8227

■ 25.1725, 36.2569,
48.7733

■ 65.8156, 57.2056,
50.8327

■ 24.7405, 36.0344,
48.7432

■ 65.8174, 57.2064,
50.8426

Harmonies

Analogous

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



42.6749, 45.2849, 49.1176



42.6909, 45.2849, 49.6708



42.8008, 45.2849, 50.1299

Triad

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



42.6909, 45.2849, 49.6708



43.3281, 45.2849, 50.0027



43.1084, 45.2849, 48.2608

Complementary

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



42.6909, 45.2849, 49.6708



42.4820, 44.3230, 47.9133

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.



43.2840, 45.2849, 48.4942



42.6909, 45.2849, 49.6708



43.4111, 45.2849, 49.4980

Square

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



42.6909, 45.2849, 49.6708



43.1686, 45.2849, 50.3225



43.3949, 45.2849, 48.9461



42.9155, 45.2849, 48.3063

Rectangle

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



42.6909, 45.2849, 49.6708



42.9127, 45.2849, 50.3196



43.3949, 45.2849, 48.9461



43.1714, 45.2849, 48.3092

Sweetspot

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



42.6922, 45.2868, 49.6718



77.8925, 82.3611, 90.0847



42.4012, 45.1717, 48.0798



16.8441, 17.8057, 19.4709



86.6293, 91.1408, 99.2523



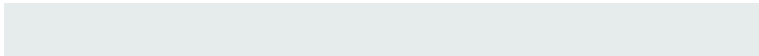
17.0014, 17.8868, 19.4787

Same Dimension

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



42.6922, 45.2868, 49.6718



77.1345, 81.9704, 90.0474



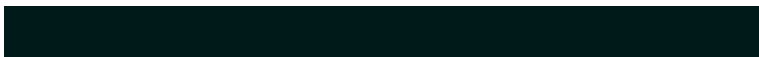
42.4010, 44.7039, 49.5763



9.3809, 9.9606, 10.9341



17.1280, 25.0772, 34.0066



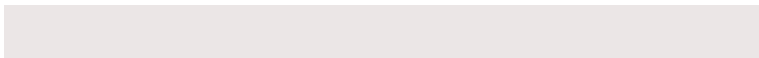
0.5390, 0.7891, 1.0706

Inverse Universe

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



42.4820, 44.3230, 47.9133



76.6709, 79.8449, 86.1693



42.7699, 44.8994, 48.0078



9.3293, 9.7239, 10.5024



13.1377, 6.7726, 0.6193



0.4135, 0.2131, 0.0201

Previews

White Background



This preview shows how the XYZ color 42.6909, 45.2849, 49.6708 looks on a white background.

Color Contrast Check

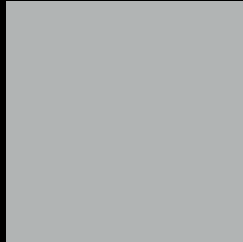
Large Text (above 18pt) WCAG AA × Fail

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 42.6909, 45.2849, 49.6708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

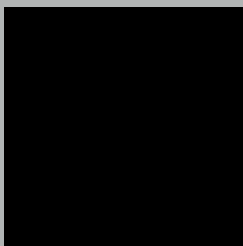
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

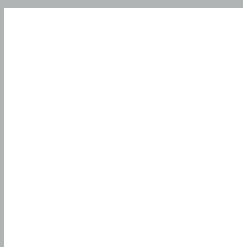
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6909, 45.2849, 49.6708

Background



This preview shows how black text looks on a background with the XYZ color 42.6909, 45.2849, 49.6708.

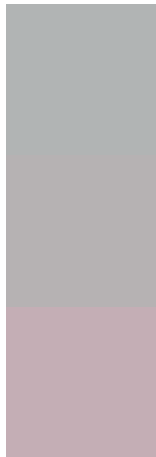


This preview shows how white text looks on a background with the XYZ color 42.6909, 45.2849,

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

42.6909, 45.2849, 49.6708

Protanopia

43.3485, 45.0405, 49.0568

Deuteranopia

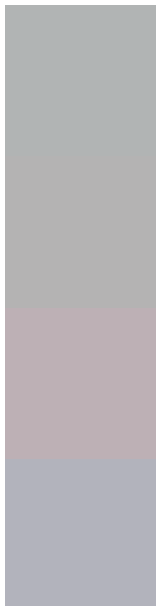
46.2415, 45.3441, 50.0312



Tritanopia

44.0252, 45.2303, 56.2791

Trichromacy



Original Color

42.6909, 45.2849, 49.6708

Protanomaly

43.0792, 45.1982, 49.1014

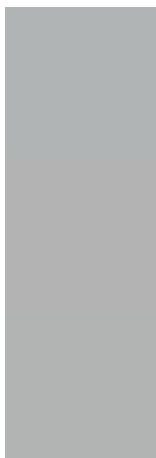
Deuteranomaly

44.8521, 45.2057, 50.0777

Tritanomaly

43.5573, 45.3360, 54.0320

Monochromacy



Original Color

42.6909, 45.2849, 49.6708

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6169, 44.9598, 49.0798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6909, 45.2849, 49.6708 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, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(177, 180, 180)  
}
```

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, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 180, 180) }
```

Border

The CSS property to change the border of an element to XYZ 42.6909, 45.2849, 49.6708 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, 180, 180) }
```


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

```
.border{ border-color:rgb(177, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(177, 180,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6909, 45.2849, 49.6708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 180, 180) }
```

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

```
.background{ background-color: rgb(177,  
180, 180) }
```

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](#).

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