

Converting Colors

XYZ(42.7508, 45.5387, 50.1303)

Have a look what the booklet for
XYZ(42.7508, 45.5387, 50.1303)
contains.

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Color

**XYZ(42.7689, 45.6140,
50.2663)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B5B5
RGB	176, 181, 181
RGB Percent	69%, 71%, 71%
CMY	0.3098, 0.2902, 0.2902
CMYK	0.03, 0.00, 0.00, 0.29
HSL	180°, 3%, 70%
HSV	180°, 3%, 71%
XYZ	42.7689, 45.6140, 50.2663
YIQ	179.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

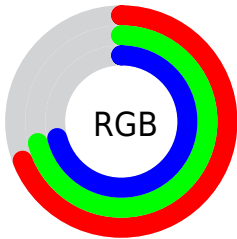
Format	Color
RYB	176, 179, 181
Decimal	11580853
CIELab	73.29, -1.74, -0.62
CIElCh	73, 1.848, 199.535
Yxy	45.6140, 0.3085, 0.3290
Android (android.graphics.Color)	4289770933 (0xFFB0B5B5)
YUV	179.5050, 0.7370, -3.0739
Hunter-Lab	67.5381, -5.1556, 3.1492

Details

The XYZ color **42.7689, 45.6140, 50.2663** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.4196, 44.0103, 47.3357**, and the grayscale version is **43.1157, 45.3610, 49.3982**.

A 20% lighter version of the original color is **78.8490, 83.8386, 92.1474**, and **19.9276, 21.2819, 23.4796** is the 20% darker color. If you saturate the color by 10%, you get **38.9454, 43.6443, 50.0830**, and if you desaturate by 10%, it is **47.1407, 47.8689, 50.4771**.

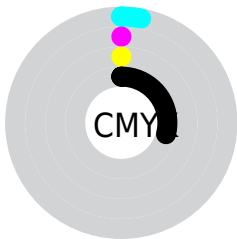
Distribution



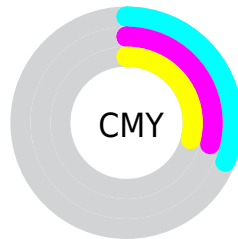
- Red (69%)
- Green (71%)
- Blue (71%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7689, 45.6140, 50.2663 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 42.7689, 45.6140, 50.2663 by changing the saturation by 10% instead.

■ 42.7689, 45.6140,
50.2663

■ 42.7689, 45.6140,
50.2663

348.5982,
369.2546, 404.4713

■ 29.8976, 31.9413,
35.2524

■ 78.6199, 83.6410,
91.9697

■ 19.9085, 21.3167,
23.5722

102.3303,
108.7642, 119.4962

■ 12.4365, 13.3557,
14.8074

130.3844,
138.4729, 152.0307

■ 7.1160, 7.6739,
8.5392

163.1475,
173.1517, 189.9917

■ 3.5817, 3.8870,
4.3492

200.9852,
213.1848, 233.7977

■ 1.4683, 1.6106,
1.8188

244.2626,

■ 0.3041, 0.3647,

258.9568, 283.8673

0.4403

293.3451,
310.8519, 340.6189

■ 0.0000, 0.0000,
0.0000

■ 42.7689, 45.6140,
50.2663

■ 42.7689, 45.6140,
50.2663

■ 38.9454, 43.6443,
50.0830

■ 47.1407, 47.8689,
50.4771

■ 35.6450, 41.9430,
49.9232

■ 52.0771, 50.4136,
50.7135

■ 32.8460, 40.5002,
49.7870

■ 57.5988, 53.2600,
50.9772

■ 30.5239, 39.3032,
49.6730

■ 63.7239, 56.4175,
51.2691

■ 28.6521, 38.3384,
49.5801

■ 66.1104, 57.6477,
51.3861

■ 27.2014, 37.5907,
49.5069

■ 66.1114, 57.6481,
51.3915

■ 26.1393, 37.0432,
49.4519

■ 66.1124, 57.6485,
51.3968

■ 25.4283, 36.6768,
49.4133

■ 66.1134, 57.6489,
51.4022

■ 25.0236, 36.4683,
49.3891

■ 66.1145, 57.6493,
51.4075

Harmonies

Analogous

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



42.7436, 45.6140, 49.3418



42.7689, 45.6140, 50.2663



42.9507, 45.6140, 51.0389

Triad

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



42.7689, 45.6140, 50.2663



43.8316, 45.6140, 50.8356



43.4683, 45.6140, 47.9280

Complementary

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



42.7689, 45.6140, 50.2663



42.4196, 44.0103, 47.3357

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.



43.7613, 45.6140, 48.3177



42.7689, 45.6140, 50.2663



43.9717, 45.6140, 49.9914

Square

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



42.7689, 45.6140, 50.2663



43.5639, 45.6140, 51.3704



43.9459, 45.6140, 49.0703



43.1463, 45.6140, 47.9995

Rectangle

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



42.7689, 45.6140, 50.2663



43.1368, 45.6140, 51.3603



43.9459, 45.6140, 49.0703



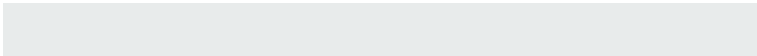
43.5734, 45.6140, 48.0092

Sweetspot

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



42.7702, 45.6159, 50.2673



77.8926, 82.3612, 90.0856



42.2851, 45.4241, 47.6142



16.8442, 17.8057, 19.4711



86.6293, 91.1408, 99.2523



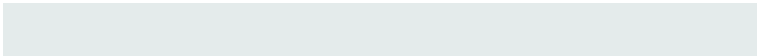
17.0014, 17.8868, 19.4787

Same Dimension

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



42.7702, 45.6159, 50.2673



76.3872, 81.5851, 90.0132



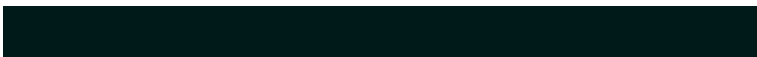
42.2831, 44.6412, 50.1063



9.2152, 9.8752, 10.9263



17.1341, 25.0796, 34.0386



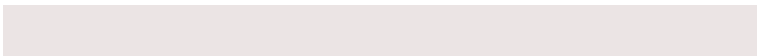
0.5392, 0.7891, 1.0713

Inverse Universe

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



42.4196, 44.0103, 47.3357



75.6955, 78.4176, 84.2297



42.8976, 44.9669, 47.4937



9.1131, 9.4076, 10.0726



13.1373, 6.7725, 0.6172



0.4134, 0.2131, 0.0197

Previews

White Background



This preview shows how the XYZ color 42.7689, 45.6140, 50.2663 looks on a white background.

Color Contrast Check

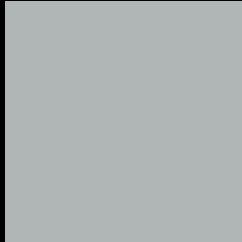
Large Text (above 18pt) WCAG AA × Fail

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 42.7689, 45.6140, 50.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

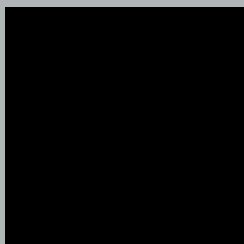
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

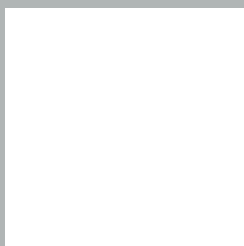
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7689, 45.6140, 50.2663

Background



This preview shows how black text looks on a background with the XYZ color 42.7689, 45.6140, 50.2663.

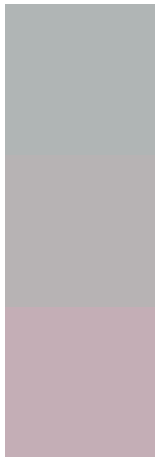


This preview shows how white text looks on a background with the XYZ color 42.7689, 45.6140,

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

42.7689, 45.6140, 50.2663

Protanopia

43.8868, 45.6028, 49.6692

Deuteranopia

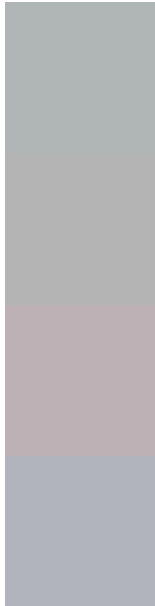
46.3445, 45.3853, 50.5736



Tritanopia

44.1058, 45.5554, 56.9205

Trichromacy



Original Color

42.7689, 45.6140, 50.2663

Protanomaly

43.3819, 45.6411, 49.7032

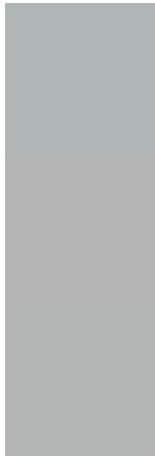
Deuteranomaly

45.1519, 45.6405, 50.6857

Tritanomaly

43.6380, 45.6638, 54.6581

Monochromacy



Original Color

42.7689, 45.6140, 50.2663

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.1499, 45.5215, 49.6923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7689, 45.6140, 50.2663 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(176, 181, 181)` looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 42.7689, 45.6140, 50.2663 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(176, 181, 181) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 42.7689, 45.6140, 50.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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