

Converting Colors

XYZ(42.6876, 45.2797, 50.4745)

Have a look what the booklet for
XYZ(42.6876, 45.2797, 50.4745)
contains.

XYZ(42.5662, 45.2088, 50.1988)	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(42.5662, 45.2088,
50.1988)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B4B5
RGB	176, 180, 181
RGB Percent	69%, 71%, 71%
CMY	0.3098, 0.2941, 0.2902
CMYK	0.03, 0.01, 0.00, 0.29
HSL	192°, 3%, 70%
HSV	192°, 3%, 71%
XYZ	42.5662, 45.2088, 50.1988
YIQ	178.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

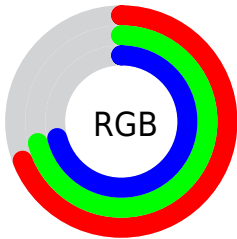
Format	Color
RYB	176, 178, 181
Decimal	11580597
CIELab	73.03, -1.20, -1.01
CIELCh	73, 1.569, 219.862
Yxy	45.2088, 0.3085, 0.3277
Android (android.graphics.Color)	4289770677 (0xFFB0B4B5)
YUV	178.9180, 1.0264, -2.5591
Hunter-Lab	67.2375, -4.6622, 2.8010

Details

The XYZ color **42.5662, 45.2088, 50.1988** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.6147, 44.4021, 47.3993**, and the grayscale version is **42.8009, 45.0298, 49.0375**.

A 20% lighter version of the original color is **78.5602, 83.2611, 92.0512**, and **19.7978, 21.0223, 23.4363** is the 20% darker color. If you saturate the color by 10%, you get **38.0246, 41.8011, 49.7811**, and if you desaturate by 10%, it is **47.6750, 48.9396, 50.6503**.

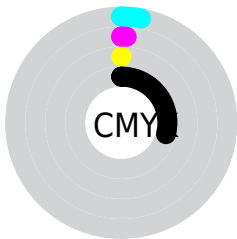
Distribution



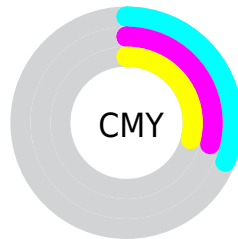
- Red (69%)
- Green (71%)
- Blue (71%)



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



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5662, 45.2088, 50.1988 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 42.5662, 45.2088, 50.1988 by changing the saturation by 10% instead.

■ 42.5662, 45.2088,
50.1988

■ 42.5662, 45.2088,
50.1988

347.7765,
367.6185, 404.2002

■ 29.7379, 31.6219,
35.1991

■ 78.3156, 83.0336,
91.8687

■ 19.7868, 21.0729,
23.5315

101.9675,
108.0404, 119.3760

■ 12.3476, 13.1773,
14.7775

129.9580,
137.6226, 151.8895

■ 7.0547, 7.5507,
8.5185

162.6524,
172.1646, 189.8279

■ 3.5430, 3.8089,
4.3360

200.4161,
212.0508, 233.6096

■ 1.4470, 1.5672,
1.8114

243.6145,

■ 0.2893, 0.3353,

257.6656, 283.6532

0.4355

292.6128,
309.3934, 340.3772

■ 0.0000, 0.0000,
0.0000

■ 42.5662, 45.2088,
50.1988

■ 42.5662, 45.2088,
50.1988

■ 38.0246, 41.8011,
49.7811

■ 47.6750, 48.9396,
50.6503

■ 34.0249, 38.6995,
49.3932

■ 53.3677, 52.9984,
51.1337

■ 30.5452, 35.8937,
49.0351

■ 59.6647, 57.3975,
51.6509

■ 27.5610, 33.3709,
48.7054

■ 66.5847, 62.1464,
52.2029

■ 25.0455, 31.1170,
48.4029

■ 69.7862, 65.0074,
52.5863

■ 22.9694, 29.1168,
48.1263

■ 70.6213, 66.6777,
52.8647

■ 21.2999, 27.3529,
47.8738

■ 71.4763, 68.3875,
53.1497

■ 19.9994, 25.8060,
47.6438

■ 72.3511, 70.1372,
53.4413

■ 19.0231, 24.4526,
47.4340

■ 73.2460, 71.9271,
53.7396

Harmonies

Analogous

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



42.4523, 45.2088, 49.4838



42.5662, 45.2088, 50.1988



42.7884, 45.2088, 50.6559

Triad

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



42.5662, 45.2088, 50.1988



43.4665, 45.2088, 49.7463



42.8794, 45.2088, 47.7521

Complementary

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



42.5662, 45.2088, 50.1988



42.6147, 44.4021, 47.3993

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.



43.1514, 45.2088, 47.8207



42.5662, 45.2088, 50.1988



43.4911, 45.2088, 48.9665

Square

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



42.5662, 45.2088, 50.1988



43.3084, 45.2088, 50.3928



43.3756, 45.2088, 48.2633



42.6326, 45.2088, 48.0748

Rectangle

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



42.5662, 45.2088, 50.1988



42.9683, 45.2088, 50.7501



43.3756, 45.2088, 48.2633



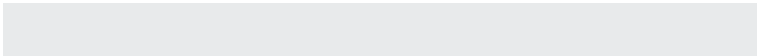
42.9709, 45.2088, 47.7302

Sweetspot

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



42.5675, 45.2107, 50.1998



77.7594, 82.0944, 90.0420



42.3565, 45.4496, 48.0922



16.8169, 17.7511, 19.4622



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.



42.5675, 45.2107, 50.1998



75.9884, 80.7867, 89.8830



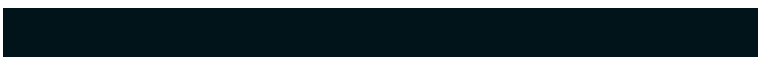
42.0832, 44.2422, 50.0384



9.1561, 9.7569, 10.9070



12.7698, 16.3400, 32.6179



0.4385, 0.5875, 1.0385

Inverse Universe

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



42.8206, 44.1705, 49.4512



76.4882, 78.7347, 88.4041



43.0969, 45.3665, 47.5600



9.2300, 9.4544, 10.6882



16.6803, 8.1897, 19.2741



0.5433, 0.2651, 0.7039

Previews

White Background



This preview shows how the XYZ color 42.5662, 45.2088, 50.1988 looks on a white background.

Color Contrast Check

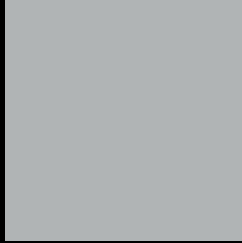
Large Text (above 18pt) WCAG AA × Fail

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 42.5662, 45.2088, 50.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

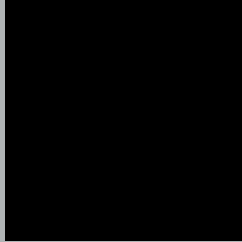
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

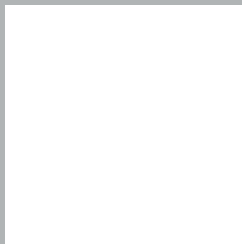
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5662, 45.2088, 50.1988

Background



This preview shows how black text looks on a background with the XYZ color 42.5662, 45.2088, 50.1988.

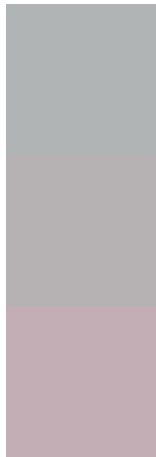


This preview shows how white text looks on a background with the XYZ color 42.5662, 45.2088,

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

42.5662, 45.2088, 50.1988

Protanopia

43.4500, 45.0812, 49.5915

Deuteranopia

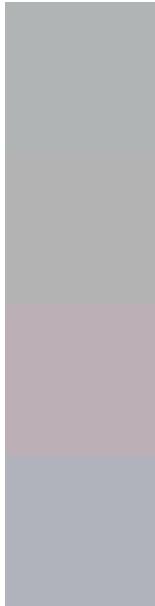
46.0852, 45.2516, 50.5614



Tritanopia

43.7949, 45.1115, 56.2683

Trichromacy



Original Color

42.5662, 45.2088, 50.1988

Protanomaly

43.1807, 45.2388, 49.6361

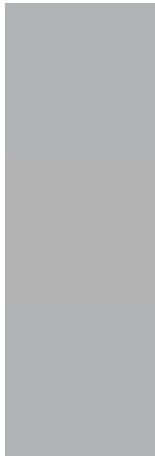
Deuteranomaly

44.7079, 45.1194, 50.6085

Tritanomaly

43.3287, 45.2182, 54.0213

Monochromacy



Original Color

42.5662, 45.2088, 50.1988

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.7184, 45.0005, 49.6145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5662, 45.2088, 50.1988 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, 180, 181) looks like.

```
.text, #text, p{  
    color:rgb(176, 180, 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, 180, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 180, 181) }
```

Border

The CSS property to change the border of an element to XYZ 42.5662, 45.2088, 50.1988 is called "border". The border property can be set on classes, ids or directly on the HTML element.

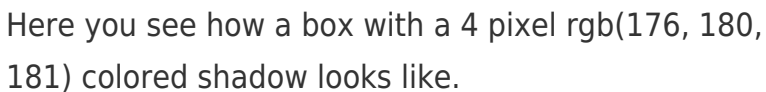
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 180, 181) }
```


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

```
.border{ border-color:rgb(176, 180, 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, 180, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 180, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 180, 181); box-shadow:4px 4px 4px 4px rgb(176, 180, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5662, 45.2088, 50.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 180, 181) }
```

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

```
.background{ background-color: rgb(176,  
180, 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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