

Converting Colors

XYZ(48.8846, 52.1264, 68.5222)

Have a look what the booklet for
XYZ(48.8846, 52.1264, 68.5222)
contains.

XYZ(48.8343, 52.1402, 68.4630)	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(48.8343, 52.1402,
68.4630)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C1D2
RGB	177, 193, 210
RGB Percent	69%, 76%, 82%
CMY	0.3059, 0.2431, 0.1765
CMYK	0.16, 0.08, 0.00, 0.18
HSL	211°, 27%, 76%
HSV	211°, 16%, 82%
XYZ	48.8343, 52.1402, 68.4630
YIQ	190.1540, -14.9930, 1.8950

Conversions

Conversions Part 2

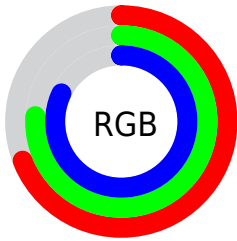
Format	Color
RYB	177, 188, 210
Decimal	11649490
CIELab	77.36, -1.97, -10.37
CIELCh	77, 10.553, 259.254
Yxy	52.1402, 0.2882, 0.3077
Android (android.graphics.Color)	4289839570 (0xFFB1C1D2)
YUV	190.1540, 9.7841, -11.5361
Hunter-Lab	72.2082, -5.6450, -5.6691

Details

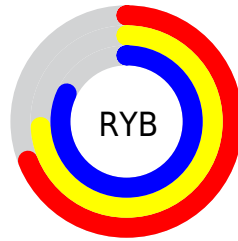
The XYZ color **48.8343, 52.1402, 68.4630** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.8063, 55.4594, 49.4649**, and the grayscale version is **48.9851, 51.5361, 56.1229**.

A 20% lighter version of the original color is **85.5300, 92.2950, 107.9145**, and **23.6910, 25.4416, 35.1145** is the 20% darker color. If you saturate the color by 10%, you get **42.1101, 45.2541, 67.4891**, and if you desaturate by 10%, it is **56.4726, 59.7599, 69.5320**.

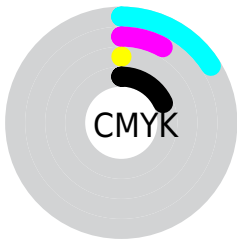
Distribution



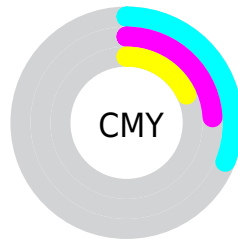
- Red (69%)
- Green (76%)
- Blue (82%)



- Red (69%)
- Yellow (74%)
- Blue (82%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8343, 52.1402, 68.4630 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 48.8343, 52.1402, 68.4630 by changing the saturation by 10% instead.

■ 48.8343, 52.1402,
68.4630

■ 48.8343, 52.1402,
68.4630

372.6174,
394.9776, 473.7772

■ 34.7020, 37.1168,
49.8055

■ 87.6475, 93.3380,
118.6747

■ 23.5989, 25.2980,
34.8887

113.0592,
120.2812, 151.0660

■ 15.1595, 16.2992,
23.2943

142.9614,
151.9664, 188.8722

■ 9.0184, 9.7361,
14.6036

177.7194,
188.7782, 232.5120

■ 4.8104, 5.2243,
8.3982

217.6987,
231.1008, 282.4039

■ 2.1701, 2.3795,
4.2594

263.2645,

■ 0.7269, 0.8153,

279.3186, 338.9663

1.7687

314.7823,
333.8161, 402.6179

■ 0.0000, 0.0000,
0.4072

■ 0.0000, 0.0000,
0.0000

■ 48.8343, 52.1402,
68.4630

■ 48.8343, 52.1402,
68.4630

■ 42.1101, 45.2541,
67.4891

■ 56.4726, 59.7599,
69.5320

■ 36.2581, 39.0704,
66.6040

■ 65.0554, 68.1301,
70.6953

■ 31.2398, 33.5650,
65.8058

■ 74.6172, 77.2752,
71.9565

■ 27.0119, 28.7095,
65.0914

■ 82.9465, 86.0602,
73.2131

■ 23.5268, 24.4733,
64.4574

■ 86.1605, 92.4882,
74.2845

■ 20.7311, 20.8226,
63.9001

■ 88.6330, 97.4332,
75.1086

■ 18.5633, 17.7190,
63.4153

■ 16.9484, 15.1167,
62.9982

■ 16.3682, 14.1235,
62.8370

Harmonies

Analogous

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



47.0563, 52.1402, 65.6578



48.8343, 52.1402, 68.4630



50.8544, 52.1402, 67.9785

Triad

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



48.8343, 52.1402, 68.4630



53.3301, 52.1402, 53.1691



46.6624, 52.1402, 49.7915

Complementary

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



48.8343, 52.1402, 68.4630



53.8063, 55.4594, 49.4649

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.



48.2832, 52.1402, 46.8699



48.8343, 52.1402, 68.4630



52.1462, 52.1402, 48.7261

Square

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



48.8343, 52.1402, 68.4630



53.4875, 52.1402, 58.8793



50.2882, 52.1402, 46.4937



45.8253, 52.1402, 54.7152

Rectangle

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



48.8343, 52.1402, 68.4630



52.0657, 52.1402, 65.8640



50.2882, 52.1402, 46.4937



47.1315, 52.1402, 48.5574

Sweetspot

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



48.8359, 52.1424, 68.4642



88.4544, 93.5428, 108.0013



50.8606, 59.3139, 59.5141



18.7410, 19.8329, 23.0903



0.0000, 0.0000, 0.0000



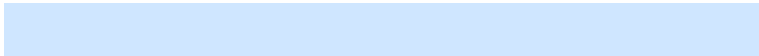
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8359, 52.1424, 68.4642



71.9658, 77.0391, 105.6848



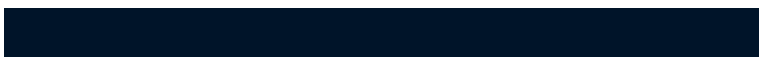
45.4875, 45.4457, 67.3481



11.6300, 12.3504, 15.0145



10.0841, 8.8147, 38.3624



0.6431, 0.6515, 2.1714

Inverse Universe

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



51.9274, 48.9974, 57.1751



77.7331, 71.3836, 84.5772



57.5616, 62.9701, 50.7167



12.0442, 11.9024, 13.5084



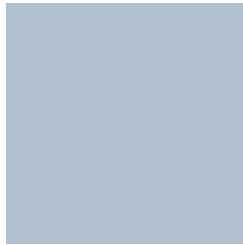
17.7207, 8.9611, 8.7013



1.0309, 0.5171, 0.6973

Previews

White Background



This preview shows how the XYZ color 48.8343, 52.1402, 68.4630 looks on a white background.

Color Contrast Check

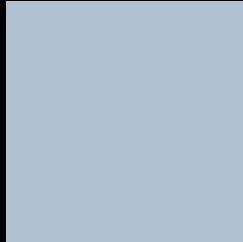
Large Text (above 18pt) WCAG AA × Fail

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 48.8343, 52.1402, 68.4630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

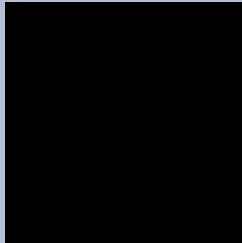
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8343, 52.1402, 68.4630

Background



This preview shows how black text looks on a background with the XYZ color 48.8343, 52.1402, 68.4630.



This preview shows how white text looks on a background with the XYZ color 48.8343, 52.1402,

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

48.8343, 52.1402, 68.4630

Protanopia

50.7849, 52.1998, 67.0734

Deuteranopia

53.1362, 52.1003, 68.8838



Tritanopia

48.7100, 52.0905, 67.8088

Trichromacy



Original Color

48.8343, 52.1402, 68.4630

Protanomaly

50.1470, 52.1793, 67.7502

Deuteranomaly

51.6937, 52.3048, 68.9993

Tritanomaly

48.7100, 52.0905, 67.8088

Monochromacy



Original Color

48.8343, 52.1402, 68.4630

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.7164, 51.6071, 60.2169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8343, 52.1402, 68.4630 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, 193, 210)` looks like.

```
.text, #text, p{  
    color:rgb(177, 193, 210)  
}
```

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, 193, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 193, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.8343, 52.1402, 68.4630 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, 193, 210) }
```


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

```
.border{ border-color:rgb(177, 193, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 193, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 193, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 193, 210);  
box-shadow:4px 4px 4px 4px rgb(177, 193,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8343, 52.1402, 68.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 193, 210) }
```

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

```
.background{ background-color: rgb(177,  
193, 210) }
```

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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