

Converting Colors

XYZ(38.2364, 41.2996, 48.7670)

Have a look what the booklet for
XYZ(38.2364, 41.2996, 48.7670)
contains.

XYZ(38.1730, 41.2082, 48.5899)	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(38.1730, 41.2082,
48.5899)**

Conversions

Conversions Part 1

Format	Color
Hex	A2AEB3
RGB	162, 174, 179
RGB Percent	64%, 68%, 70%
CMY	0.3647, 0.3176, 0.2980
CMYK	0.09, 0.03, 0.00, 0.30
HSL	198°, 10%, 67%
HSV	198°, 9%, 70%
XYZ	38.1730, 41.2082, 48.5899
YIQ	170.9820, -8.7570, -0.9890

Conversions

Conversions Part 2

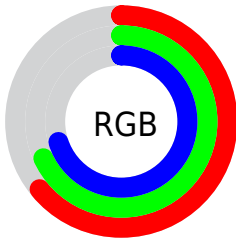
Format	Color
RYB	162, 169, 179
Decimal	10661555
CIELab	70.32, -3.18, -4.01
CIELCh	70, 5.111, 231.598
Yxy	41.2082, 0.2983, 0.3220
Android (android.graphics.Color)	4288851635 (0xFFA2AEB3)
YUV	170.9820, 3.9529, -7.8772
Hunter-Lab	64.1936, -6.1931, 0.0573

Details

The XYZ color **38.1730, 41.2082, 48.5899** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9308, 39.8293, 39.8189**, and the grayscale version is **38.6846, 40.6992, 44.3214**.

A 20% lighter version of the original color is **71.6300, 76.7885, 89.6436**, and **17.1558, 18.7404, 22.4517** is the 20% darker color. If you saturate the color by 10%, you get **33.7962, 37.4733, 48.1003**, and if you desaturate by 10%, it is **43.1097, 45.2930, 49.1188**.

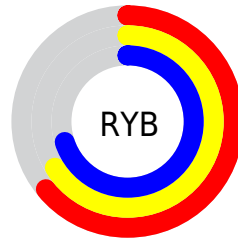
Distribution



Red (64%)

Green (68%)

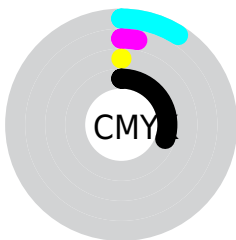
Blue (70%)



Red (64%)

Yellow (66%)

Blue (70%)

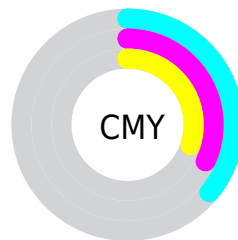


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (30%)



Cyan (36%)

Magenta (32%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1730, 41.2082, 48.5899 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 38.1730, 41.2082, 48.5899 by changing the saturation by 10% instead.

■ 38.1730, 41.2082,
48.5899

■ 38.1730, 41.2082,
48.5899

329.6295,
351.1900, 397.7016

■ 26.2948, 28.4818,
33.9310

■ 71.6754, 76.9998,
89.4567

■ 17.1782, 18.6892,
22.5636

■ 94.0303, 100.8339,
116.5017

■ 10.4577, 11.4459,
14.0694

120.6082,
129.1393, 148.5125

■ 5.7680, 6.3676,
8.0296

151.7745,
162.3004, 185.9075

■ 2.7439, 3.0699,
4.0259

187.8943,
200.7016, 229.1054

■ 1.0198, 1.1683,
1.6395

229.3332,

■ 0.0000, 0.0356,

244.7274, 278.5247

0.3188

276.4565,
294.7620, 334.5839

■ 0.0000, 0.0000,
0.0000

■ 38.1730, 41.2082,
48.5899

■ 38.1730, 41.2082,
48.5899

■ 33.7962, 37.4733,
48.1003

■ 43.1097, 45.2930,
49.1188

■ 29.9534, 34.0711,
47.6462

■ 48.6235, 49.7341,
49.6854

■ 26.6221, 30.9903,
47.2271

■ 54.7354, 54.5439,
50.2917

■ 23.7766, 28.2170,
46.8418

■ 61.4644, 59.7328,
50.9386

■ 21.3890, 25.7362,
46.4888

■ 68.8282, 65.3108,
51.6271

■ 19.4283, 23.5311,
46.1665

■ 71.3458, 68.4526,
52.1008

■ 17.8592, 21.5829,
45.8731

■ 72.6303, 71.0218,
52.5290

■ 16.6406, 19.8695,
45.6066

■ 73.9577, 73.6765,
52.9715

■ 15.6922, 18.3487,
45.3631

■ 75.3282, 76.4176,
53.4283

Harmonies

Analogous

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



37.6854, 41.2082, 46.5919



38.1730, 41.2082, 48.5899



38.9318, 41.2082, 49.5991

Triad

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



38.1730, 41.2082, 48.5899



40.7858, 41.2082, 45.5476



38.5760, 41.2082, 40.7062

Complementary

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



38.1730, 41.2082, 48.5899



38.9308, 39.8293, 39.8189

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.



39.4035, 41.2082, 40.4491



38.1730, 41.2082, 48.5899



40.6873, 41.2082, 43.1885

Square

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



38.1730, 41.2082, 48.5899



40.4458, 41.2082, 47.8021



40.1784, 41.2082, 41.3426



37.9158, 41.2082, 42.0579

Rectangle

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



38.1730, 41.2082, 48.5899



39.4926, 41.2082, 49.5513



40.1784, 41.2082, 41.3426



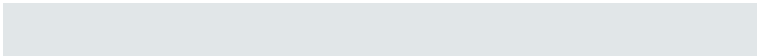
38.8435, 41.2082, 40.4909

Sweetspot

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



38.1742, 41.2099, 48.5908



73.9494, 78.4465, 87.6253



37.9791, 42.7055, 42.7123



16.2245, 17.2487, 19.3965



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.



38.1742, 41.2099, 48.5908



66.9749, 72.6318, 86.8706



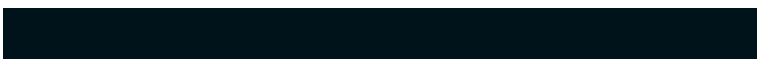
36.6163, 38.0941, 48.0715



8.5275, 9.2012, 10.8329



11.1151, 13.0305, 32.0663



0.3973, 0.5051, 1.0248

Inverse Universe

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



39.1516, 38.4811, 45.4106



69.0216, 66.9713, 80.1994



40.5043, 42.9764, 40.3434



8.7414, 8.6033, 10.1369



15.8450, 7.8556, 14.8758



0.5226, 0.2568, 0.5945

Previews

White Background



This preview shows how the XYZ color 38.1730, 41.2082, 48.5899 looks on a white background.

Color Contrast Check

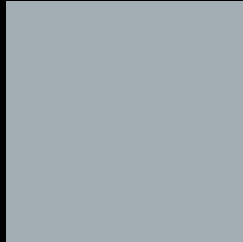
Large Text (above 18pt) WCAG AA × Fail

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 38.1730, 41.2082, 48.5899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

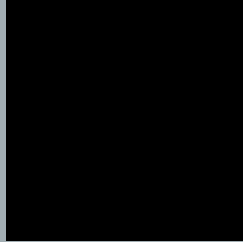
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

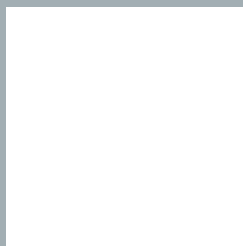
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1730, 41.2082, 48.5899

Background



This preview shows how black text looks on a background with the XYZ color 38.1730, 41.2082, 48.5899.



This preview shows how white text looks on a background with the XYZ color 38.1730, 41.2082,

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

38.1730, 41.2082, 48.5899

Protanopia

39.7323, 41.1844, 47.4502

Deuteranopia

41.8241, 41.1231, 48.9132



Tritanopia

39.0175, 41.2615, 52.9215

Trichromacy



Original Color

38.1730, 41.2082, 48.5899

Protanomaly

39.1506, 41.1544, 47.9996

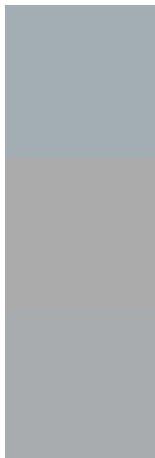
Deuteranomaly

40.5174, 41.2748, 49.0114

Tritanomaly

38.6996, 41.1344, 51.2474

Monochromacy



Original Color

38.1730, 41.2082, 48.5899

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5410, 40.8859, 45.9048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1730, 41.2082, 48.5899 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(162, 174, 179)` looks like.

```
.text, #text, p{  
    color:rgb(162, 174, 179)  
}
```

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(162, 174, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 174, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.1730, 41.2082, 48.5899 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(162, 174, 179) }
```


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

```
.border{ border-color:rgb(162, 174, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 174, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 174, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 174, 179);  
box-shadow:4px 4px 4px 4px rgb(162, 174,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1730, 41.2082, 48.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 174, 179) }
```

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

```
.background{ background-color: rgb(162,  
174, 179) }
```

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