

Converting Colors

XYZ(38.1043, 41.1420, 48.1776)

Have a look what the booklet for
XYZ(38.1043, 41.1420, 48.1776)
contains.

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Color

**XYZ(38.0722, 41.1678,
48.0590)**

Conversions

Conversions Part 1

Format	Color
Hex	A2AEB2
RGB	162, 174, 178
RGB Percent	64%, 68%, 70%
CMY	0.3647, 0.3176, 0.3020
CMYK	0.09, 0.02, 0.00, 0.30
HSL	195°, 9%, 67%
HSV	195°, 9%, 70%
XYZ	38.0722, 41.1678, 48.0590
YIQ	170.8680, -8.4360, -1.3000

Conversions

Conversions Part 2

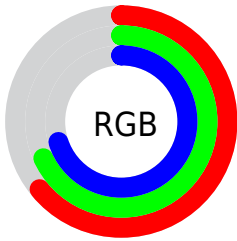
Format	Color
RYB	162, 169, 178
Decimal	10661554
CIELab	70.29, -3.38, -3.50
CIElCh	70, 4.861, 225.976
Yxy	41.1678, 0.2991, 0.3234
Android (android.graphics.Color)	4288851634 (0xFFA2AEB2)
YUV	170.8680, 3.5161, -7.7772
Hunter-Lab	64.1621, -6.3663, 0.5038

Details

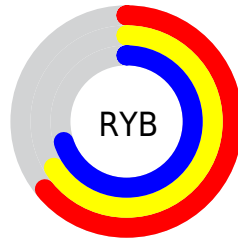
The XYZ color **38.0722, 41.1678, 48.0590** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.5181, 39.3458, 39.7475**, and the grayscale version is **38.6293, 40.6411, 44.2581**.

A 20% lighter version of the original color is **71.4859, 76.7308, 88.8847**, and **17.0916, 18.7147, 22.1135** is the 20% darker color. If you saturate the color by 10%, you get **33.8646, 37.7454, 47.6208**, and if you desaturate by 10%, it is **42.8225, 44.9144, 48.5324**.

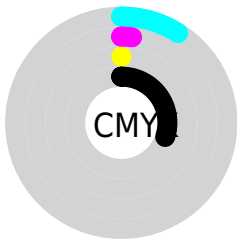
Distribution



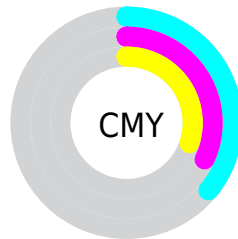
- Red (64%)
- Green (68%)
- Blue (70%)



- Red (64%)
- Yellow (66%)
- Blue (70%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0722, 41.1678, 48.0590 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 38.0722, 41.1678, 48.0590 by changing the saturation by 10% instead.

■ 38.0722, 41.1678,
48.0590

■ 38.0722, 41.1678,
48.0590

329.2051,
351.0214, 395.5414

■ 26.2162, 28.4502,
33.5133

■ 71.5220, 76.9386,
88.6587

■ 17.1190, 18.6653,
22.2456

■ 93.8465, 100.7605,
115.5498

■ 10.4152, 11.4287,
13.8374

120.3911,
129.0527, 147.3931

■ 5.7395, 6.3560,
7.8702

151.5214,
162.1996, 184.6071

■ 2.7265, 3.0627,
3.9254

187.6026,
200.5855, 227.6104

■ 1.0108, 1.1646,
1.5845

229.0000,

■ 0.0000, 0.0325,

244.5949, 276.8215

0.2797

276.0790,
294.6120, 332.6590

■ 0.0000, 0.0000,
0.0000

■ 38.0722, 41.1678,
48.0590

■ 38.0722, 41.1678,
48.0590

■ 33.8646, 37.7454,
47.6208

■ 42.8225, 44.9144,
48.5324

■ 30.1744, 34.6304,
47.2141

■ 48.1323, 48.9910,
49.0395

■ 26.9797, 31.8123,
46.8385

■ 54.0221, 53.4097,
49.5819

■ 24.2554, 29.2778,
46.4929

■ 60.5103, 58.1801,
50.1607

■ 21.9744, 27.0123,
46.1758

■ 67.6144, 63.3119,
50.7768

■ 20.1063, 24.9998,
45.8858

■ 70.0896, 66.1016,
51.1848

■ 18.6170, 23.2223,
45.6212

■ 71.1393, 68.2010,
51.5347

■ 17.4663, 21.6587,
45.3801

■ 72.2192, 70.3608,
51.8947

■ 16.5809, 20.2707,
45.1588

■ 73.3296, 72.5816,
52.2648

Harmonies

Analogous

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



37.6723, 41.1678, 46.0450



38.0722, 41.1678, 48.0590



38.7582, 41.1678, 49.2242

Triad

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



38.0722, 41.1678, 48.0590



40.6362, 41.1678, 45.8979



38.7080, 41.1678, 40.7319

Complementary

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



38.0722, 41.1678, 48.0590



38.5181, 39.3458, 39.7475

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.



39.5017, 41.1678, 40.6955



38.0722, 41.1678, 48.0590



40.6223, 41.1678, 43.6262

Square

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



38.0722, 41.1678, 48.0590



40.2423, 41.1678, 47.9482



40.2047, 41.1678, 41.7389



38.0359, 41.1678, 41.8400

Rectangle

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



38.0722, 41.1678, 48.0590



39.2887, 41.1678, 49.3383



40.2047, 41.1678, 41.7389



38.9692, 41.1678, 40.5952

Sweetspot

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



38.0734, 41.1695, 48.0599



74.0349, 78.6176, 87.6538



37.6798, 42.2662, 42.1212



16.2484, 17.2964, 19.4044



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.



38.0734, 41.1695, 48.0599



67.2795, 73.2410, 86.9721



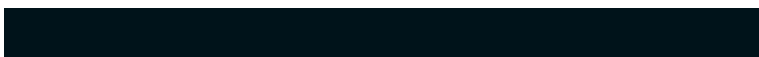
36.6216, 38.2659, 47.5760



8.5593, 9.2648, 10.8435



11.8549, 14.5102, 32.3129



0.4160, 0.5425, 1.0310

Inverse Universe

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



38.9213, 38.3624, 45.3997



69.1753, 67.0328, 81.0090



39.9669, 42.2434, 40.2304



8.7575, 8.6097, 10.2214



16.2185, 8.0049, 16.8422



0.5320, 0.2605, 0.6441

Previews

White Background



This preview shows how the XYZ color 38.0722, 41.1678, 48.0590 looks on a white background.

Color Contrast Check

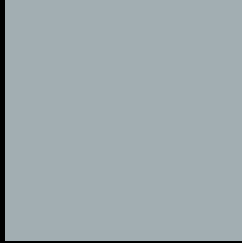
Large Text (above 18pt) WCAG AA × Fail

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 38.0722, 41.1678, 48.0590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

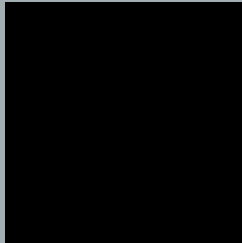
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0722, 41.1678, 48.0590

Background



This preview shows how black text looks on a background with the XYZ color 38.0722, 41.1678, 48.0590.



This preview shows how white text looks on a background with the XYZ color 38.0722, 41.1678,

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

38.0722, 41.1678, 48.0590

Protanopia

39.6330, 41.1446, 46.9271

Deuteranopia

42.0645, 41.2470, 48.9244



Tritanopia

38.9108, 41.2188, 52.3596

Trichromacy



Original Color

38.0722, 41.1678, 48.0590

Protanomaly

39.0505, 41.1144, 47.4727

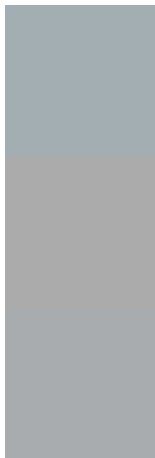
Deuteranomaly

40.6429, 41.3512, 48.4873

Tritanomaly

38.5951, 41.0926, 50.6972

Monochromacy



Original Color

38.0722, 41.1678, 48.0590

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 38.0722, 41.1678, 48.0590 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(162, 174, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 174, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.0722, 41.1678, 48.0590 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, 178) }
```


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

```
.border{ border-color:rgb(162, 174, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(162, 174,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0722, 41.1678, 48.0590 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, 178) }
```

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

```
.background{ background-color: rgb(162,  
174, 178) }
```

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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