

Converting Colors

XYZ(38.8224, 38.1623, 41.9336)

Have a look what the booklet for
XYZ(38.8224, 38.1623, 41.9336)
contains.

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Color

**XYZ(38.7760, 38.1035,
41.8702)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A1A7
RGB	181, 161, 167
RGB Percent	71%, 63%, 65%
CMY	0.2902, 0.3686, 0.3451
CMYK	0.00, 0.11, 0.08, 0.29
HSL	342°, 12%, 67%
HSV	342°, 11%, 71%
XYZ	38.7760, 38.1035, 41.8702
YIQ	167.6640, 9.9940, 6.1060

Conversions

Conversions Part 2

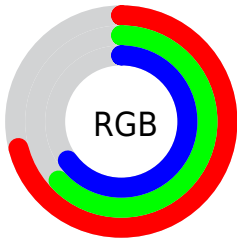
Format	Color
R_{YB}	181, 161, 167
Decimal	11903399
CIE Lab	68.10, 8.35, -0.44
CIE LCh	68, 8.358, 356.958
Yxy	38.1035, 0.3265, 0.3209
Android (android.graphics.Color)	4290093479 (0xFFB5A1A7)
YUV	167.6640, -0.3274, 11.6957
Hunter-Lab	61.7280, 4.1052, 2.9931

Details

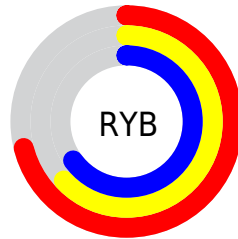
The XYZ color **38.7760, 38.1035, 41.8702** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9612, 43.7210, 46.9452**, and the grayscale version is **37.0538, 38.9835, 42.4530**.

A 20% lighter version of the original color is **72.6657, 72.3902, 79.2500**, and **17.4652, 16.7643, 18.5350** is the 20% darker color. If you saturate the color by 10%, you get **34.7246, 31.7841, 35.0205**, and if you desaturate by 10%, it is **43.4023, 45.3879, 49.4789**.

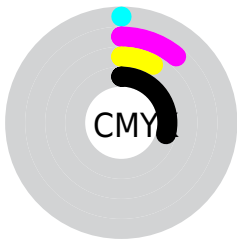
Distribution



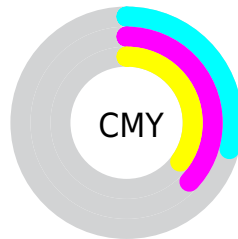
- Red (71%)
- Green (63%)
- Blue (65%)



- Red (71%)
- Yellow (63%)
- Blue (65%)



- Cyan (0%)
- Magenta (11%)
- Yellow (8%)
- Black (29%)



- Cyan (29%)
- Magenta (37%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7760, 38.1035, 41.8702 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 38.7760, 38.1035, 41.8702 by changing the saturation by 10% instead.

■ 38.7760, 38.1035,
41.8702

■ 38.7760, 38.1035,
41.8702

332.1608,
338.0637, 369.7284

■ 26.7655, 26.0630,
28.6749

■ 72.5923, 72.2667,
79.2711

■ 17.5328, 16.8708,
18.5915

■ 95.1287, 95.1583,
104.3138

■ 10.7128, 10.1424,
11.2017

121.9045,
122.4357, 134.1426

■ 5.9399, 5.4935,
6.0868

153.2849,
154.4833, 169.1761

■ 2.8489, 2.5396,
2.8283

189.6354,
191.6855, 209.8329

■ 1.0744, 0.8964,
1.0076

231.3213,

■ 0.0035, 0.0000,

234.4267, 256.5316

0.0000

278.7080,
283.0913, 309.6905

■ 0.0000, 0.0000,
0.0000

■ 38.7760, 38.1035,
41.8702

■ 38.7760, 38.1035,
41.8702

■ 34.7246, 31.7841,
35.0205

■ 43.4023, 45.3879,
49.4789

■ 31.2219, 26.3843,
28.9035

■ 48.6218, 53.6704,
57.8668

■ 28.2446, 21.8622,
23.4948

■ 54.4559, 62.9886,
67.0565

■ 25.7664, 18.1711,
18.7679

■ 60.9242, 73.3768,
77.0688

■ 23.7586, 15.2597,
14.6944

■ 68.0452, 84.8676,
87.9240

■ 22.1894, 13.0708,
11.2439

■ 70.9990, 87.8170,
98.0289

■ 21.0229, 11.5397,
8.3830

■ 72.8663, 88.5639,
107.8618

■ 20.2170, 10.5895,
6.0748

■ 19.7288, 10.0929,
4.4330

Harmonies

Analogous

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



38.3572, 38.1035, 45.5246



38.7760, 38.1035, 41.8702



38.4955, 38.1035, 38.3199

Triad

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



38.7760, 38.1035, 41.8702



35.0924, 38.1035, 35.4160



34.8673, 38.1035, 47.7980

Complementary

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



38.7760, 38.1035, 41.8702



38.9612, 43.7210, 46.9452

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.



34.0288, 38.1035, 44.8266



38.7760, 38.1035, 41.8702



34.1565, 38.1035, 37.6978

Square

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



38.7760, 38.1035, 41.8702



36.3494, 38.1035, 34.7280



33.7717, 38.1035, 41.1086



36.0834, 38.1035, 49.0733

Rectangle

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



38.7760, 38.1035, 41.8702



37.9532, 38.1035, 36.4623



33.7717, 38.1035, 41.1086



34.5331, 38.1035, 46.9560

Sweetspot

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



38.7771, 38.1052, 41.8710



75.9891, 78.5351, 85.7758



38.7659, 37.9417, 48.9969



16.2761, 16.7409, 18.2976



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.



38.7771, 38.1052, 41.8710



67.7879, 65.6451, 72.2140



38.9455, 39.3088, 39.2549



8.5978, 8.5458, 9.3803



13.6277, 6.9686, 3.1995



0.4552, 0.2298, 0.2400

Inverse Universe

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



38.7771, 38.1052, 41.8710



67.7879, 65.6451, 72.2140



38.7619, 42.3587, 49.8497



8.5978, 8.5458, 9.3803



13.6277, 6.9686, 3.1995



0.4552, 0.2298, 0.2400

Previews

White Background



This preview shows how the XYZ color 38.7760, 38.1035, 41.8702 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 38.7760, 38.1035, 41.8702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

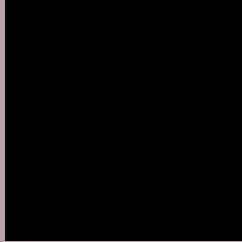
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7760, 38.1035, 41.8702

Background



This preview shows how black text looks on a background with the XYZ color 38.7760, 38.1035, 41.8702.



This preview shows how white text looks on a background with the XYZ color 38.7760, 38.1035,

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

38.7760, 38.1035, 41.8702

Protanopia

36.7650, 38.0997, 42.9524

Deuteranopia

39.0113, 38.2248, 41.8812



Tritanopia

39.4050, 38.1038, 44.8131

Trichromacy



Original Color

38.7760, 38.1035, 41.8702

Protanomaly

37.5769, 38.2623, 42.4506

Deuteranomaly

39.0113, 38.2248, 41.8812

Tritanomaly

39.2129, 38.0270, 43.8013

Monochromacy



Original Color

38.7760, 38.1035, 41.8702

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7566, 38.6217, 42.5105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7760, 38.1035, 41.8702 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(181, 161, 167)` looks like.

```
.text, #text, p{  
    color:rgb(181, 161, 167)  
}
```

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(181, 161, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 161, 167) }
```

Border

The CSS property to change the border of an element to XYZ 38.7760, 38.1035, 41.8702 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(181, 161, 167) }
```


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

```
.border{ border-color:rgb(181, 161, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 161, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 161, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 161, 167); box-shadow:4px 4px 4px 4px rgb(181, 161, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7760, 38.1035, 41.8702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 161, 167) }
```

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

```
.background{ background-color: rgb(181,  
161, 167) }
```

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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