

Converting Colors

XYZ(38.1532, 40.3017, 42.0000)

Have a look what the booklet for
XYZ(38.1532, 40.3017, 42.0000)
contains.

XYZ(38.0522, 40.1606, 41.8226)	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(38.0522, 40.1606,
41.8226)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAAA6
RGB	171, 170, 166
RGB Percent	67%, 67%, 65%
CMY	0.3294, 0.3333, 0.3490
CMYK	0.00, 0.01, 0.03, 0.33
HSL	48°, 3%, 66%
HSV	48°, 3%, 67%
XYZ	38.0522, 40.1606, 41.8226
YIQ	169.8430, 1.8800, -1.0320

Conversions

Conversions Part 2

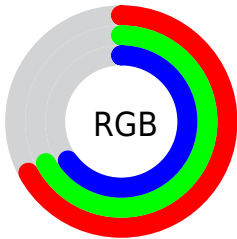
Format	Color
RYB	167, 171, 166
Decimal	11250342
CIELab	69.58, -0.38, 2.18
CIElCh	70, 2.209, 100.025
Yxy	40.1606, 0.3170, 0.3346
Android (android.graphics.Color)	4289440422 (0xFFABAAA6)
YUV	169.8430, -1.8946, 1.0147
Hunter-Lab	63.3724, -3.7207, 5.2322

Details

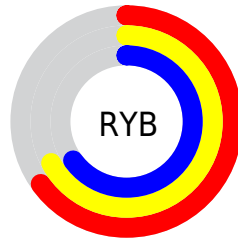
The XYZ color **38.0522, 40.1606, 41.8226** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8951, 38.6839, 44.0505**, and the grayscale version is **38.1397, 40.1260, 43.6972**.

A 20% lighter version of the original color is **71.3404, 75.2396, 79.1693**, and **17.1234, 18.0937, 18.5095** is the 20% darker color. If you saturate the color by 10%, you get **35.9567, 38.3148, 33.8928**, and if you desaturate by 10%, it is **40.3752, 42.1264, 50.8583**.

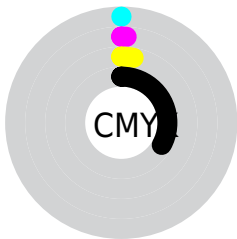
Distribution



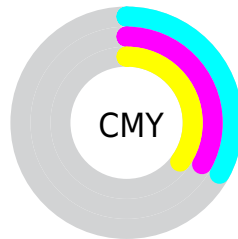
- Red (67%)
- Green (67%)
- Blue (65%)



- Red (65%)
- Yellow (67%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0522, 40.1606, 41.8226 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 38.0522, 40.1606, 41.8226 by changing the saturation by 10% instead.

■ 38.0522, 40.1606,
41.8226

■ 38.0522, 40.1606,
41.8226

329.1208,
346.8000, 369.5250

■ 26.2006, 27.6638,
28.6379

■ 71.4915, 75.4080,
79.1983

■ 17.1072, 18.0724,
18.5638

■ 93.8100, 98.9274,
104.2263

■ 10.4068, 11.0020,
11.1819

120.3481,
126.8897, 134.0391

■ 5.7338, 6.0682,
6.0736

151.4712,
159.6795, 169.0554

■ 2.7230, 2.8866,
2.8204

187.5446,
197.6810, 209.6935

■ 1.0090, 1.0728,
1.0037

228.9338,

■ 0.0000, 0.0000,

241.2786, 256.3722

0.0000

276.0041,
290.8568, 309.5098

■ 38.0522, 40.1606,
41.8226

■ 38.0522, 40.1606,
41.8226

■ 35.9567, 38.3148,
33.8928

■ 40.3752, 42.1264,
50.8583

■ 34.0769, 36.5804,
27.0232

■ 42.9300, 44.2104,
61.0378

■ 32.4052, 34.9553,
21.1687

■ 45.7253, 46.4174,
72.4009

■ 30.9321, 33.4355,
16.2801

■ 48.7682, 48.7505,
84.9841

■ 29.6473, 32.0167,
12.3041

■ 52.0655, 51.2126,
98.8227

■ 28.5396, 30.6942,
9.1820

■ 53.3554, 52.8993,
102.0062

■ 27.5964, 29.4628,
6.8484

■ 54.1043, 54.3971,
102.2558

■ 26.8034, 28.3166,
5.2284

■ 54.8706, 55.9298,
102.5113

■ 26.1435, 27.2484,
4.2326

■ 55.6544, 57.4975,
102.7726

Harmonies

Analogous

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



38.4062, 40.1606, 41.9082



38.0522, 40.1606, 41.8226



37.7321, 40.1606, 42.2414

Triad

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



38.0522, 40.1606, 41.8226



37.6488, 40.1606, 45.0032



38.8195, 40.1606, 44.4024

Complementary

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



38.0522, 40.1606, 41.8226



36.8951, 38.6839, 44.0505

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.



38.6141, 40.1606, 45.2492



38.0522, 40.1606, 41.8226



37.9377, 40.1606, 45.5998

Square

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



38.0522, 40.1606, 41.8226



37.5002, 40.1606, 44.0708



38.2909, 40.1606, 45.6905



38.8507, 40.1606, 43.3871

Rectangle

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



38.0522, 40.1606, 41.8226



37.5805, 40.1606, 42.7542



38.2909, 40.1606, 45.6905



38.7685, 40.1606, 44.7166

Sweetspot

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



38.0533, 40.1623, 41.8235



68.9121, 72.5823, 77.8323



37.4063, 38.7209, 42.0621



15.3727, 16.1904, 17.3763



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



38.0533, 40.1623, 41.8235



67.7001, 71.5382, 73.1749



37.9159, 40.3698, 41.8708



8.7542, 9.2560, 9.3809



19.4341, 20.0736, 2.8503



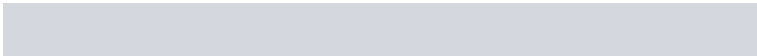
0.5747, 0.6265, 0.0906

Inverse Universe

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



36.8951, 38.6839, 44.0505



64.8337, 67.8791, 78.6868



37.0296, 38.4834, 44.0047



8.3304, 8.7151, 10.1958



6.0050, 3.1440, 29.3349



0.2038, 0.1609, 0.8283

Previews

White Background



This preview shows how the XYZ color 38.0522, 40.1606, 41.8226 looks on a white background.

Color Contrast Check

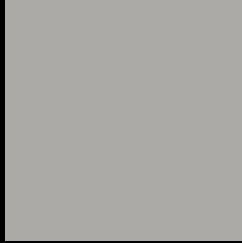
Large Text (above 18pt) WCAG AA × Fail

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 38.0522, 40.1606, 41.8226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

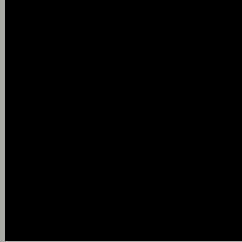
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0522, 40.1606, 41.8226

Background



This preview shows how black text looks on a background with the XYZ color 38.0522, 40.1606, 41.8226.



This preview shows how white text looks on a background with the XYZ color 38.0522, 40.1606,

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

38.0522, 40.1606, 41.8226

Protanopia

38.5265, 40.1278, 41.7913

Deuteranopia

40.7440, 39.9057, 42.1144



Tritanopia

39.5767, 40.2257, 49.3945

Trichromacy



Original Color

38.0522, 40.1606, 41.8226

Protanomaly

38.3045, 40.0133, 41.7809

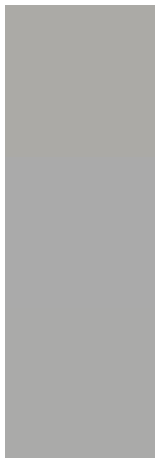
Deuteranomaly

39.6673, 39.8862, 42.1673

Tritanomaly

39.0377, 40.2812, 46.7918

Monochromacy



Original Color

38.0522, 40.1606, 41.8226

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1137, 40.1601, 43.2790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0522, 40.1606, 41.8226 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(171, 170, 166)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 166)  
}
```

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(171, 170, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 166) }
```

Border

The CSS property to change the border of an element to XYZ 38.0522, 40.1606, 41.8226 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(171, 170, 166) }
```


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

```
.border{ border-color:rgb(171, 170, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 166);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0522, 40.1606, 41.8226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 166) }
```

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

```
.background{ background-color: rgb(171,  
170, 166) }
```

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