

Converting Colors

XYZ(39.6110, 40.0264, 42.1478)

Have a look what the booklet for
XYZ(39.6110, 40.0264, 42.1478)
contains.

XYZ(39.6162, 40.1308, 42.2172)	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(39.6162, 40.1308,
42.2172)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A7A7
RGB	180, 167, 167
RGB Percent	71%, 65%, 65%
CMY	0.2941, 0.3451, 0.3451
CMYK	0.00, 0.07, 0.07, 0.29
HSL	0°, 8%, 68%
HSV	0°, 7%, 71%
XYZ	39.6162, 40.1308, 42.2172
YIQ	170.8870, 7.7480, 2.7560

Conversions

Conversions Part 2

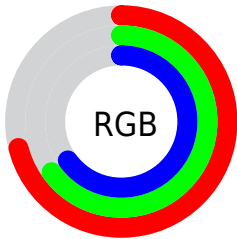
Format	Color
R_{YB}	180, 167, 167
Decimal	11839399
CIE Lab	69.56, 4.69, 1.68
CIE LCh	70, 4.981, 19.748
Yxy	40.1308, 0.3248, 0.3290
Android (android.graphics.Color)	4290029479 (0xFFB4A7A7)
YUV	170.8870, -1.9163, 7.9921
Hunter-Lab	63.3489, 0.7672, 4.8319

Details

The XYZ color **39.6162, 40.1308, 42.2172** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.4957, 44.1525, 49.5685**, and the grayscale version is **38.6595, 40.6728, 44.2927**.

A 20% lighter version of the original color is **73.8982, 75.3493, 79.7563**, and **17.9776, 18.0113, 18.7487** is the 20% darker color. If you saturate the color by 10%, you get **34.9964, 33.3711, 33.0310**, and if you desaturate by 10%, it is **44.9287, 47.9042, 52.7781**.

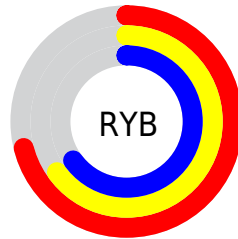
Distribution



Red (71%)

Green (65%)

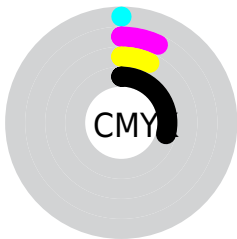
Blue (65%)



Red (71%)

Yellow (65%)

Blue (65%)

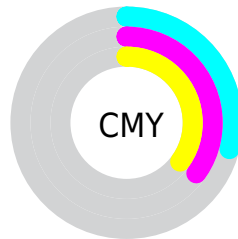


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (29%)



Cyan (29%)


Magenta (35%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6162, 40.1308, 42.2172 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 39.6162, 40.1308, 42.2172 by changing the saturation by 10% instead.


 39.6162, 40.1308,
42.2172


 39.6162, 40.1308,
42.2172

335.6655,
346.6746, 371.2087

 27.4223, 27.6405,
28.9446


 73.8668, 75.3626,
79.8019

 18.0289, 18.0549,
18.7937


 96.6542, 98.8730,
104.9510

 11.0705, 10.9894,
11.3460


123.7035,
126.8256, 134.8960

 6.1819, 6.0597,
6.1830

155.3800,
159.6047, 170.0555

 2.9977, 2.8814,
2.8861

192.0491,
197.5947, 210.8480

 1.1526, 1.0701,
1.0368

234.0761,

 0.0684, 0.0000,

241.1801, 257.6920

0.0000

281.8265,
290.7453, 311.0060

■ 0.0000, 0.0000,
0.0000

■ 39.6162, 40.1308,
42.2172

■ 39.6162, 40.1308,
42.2172

■ 34.9964, 33.3711,
33.0310

■ 44.9287, 47.9042,
52.7781

■ 31.0375, 27.5784,
25.1604

■ 50.9571, 56.7250,
64.7640

■ 27.7105, 22.7100,
18.5460

■ 57.7280, 66.6321,
78.2263

■ 24.9825, 18.7181,
13.1229

■ 65.2654, 77.6605,
93.2127

■ 22.8180, 15.5508,
8.8203

■ 72.6326, 88.4434,
107.8509

■ 21.1777, 13.1504,
5.5598

■ 20.0171, 11.4519,
3.2533

■ 19.2845, 10.3797,
1.7977

■ 18.9048, 9.8239,
1.0434

Harmonies

Analogous

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



39.6841, 40.1308, 44.4881



39.6162, 40.1308, 42.2172



39.1504, 40.1308, 40.4040

Triad

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



39.6162, 40.1308, 42.2172



36.9758, 40.1308, 40.8977



37.8687, 40.1308, 48.1972

Complementary

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



39.6162, 40.1308, 42.2172



40.4957, 44.1525, 49.5685

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.



37.1532, 40.1308, 47.1613



39.6162, 40.1308, 42.2172



36.6425, 40.1308, 42.9126

Square

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



39.6162, 40.1308, 42.2172



37.6233, 40.1308, 39.6610



36.7070, 40.1308, 45.2082



38.6677, 40.1308, 47.9950

Rectangle

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



39.6162, 40.1308, 42.2172



38.6806, 40.1308, 39.6735



36.7070, 40.1308, 45.2082



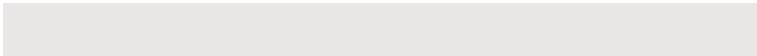
37.6107, 40.1308, 47.9808

Sweetspot

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



39.6173, 40.1326, 42.2181



76.6706, 79.8453, 86.1659



40.8799, 40.6366, 48.8696



16.5939, 17.2906, 18.6686



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.



39.6173, 40.1326, 42.2181



70.1191, 70.2591, 73.1404



40.8376, 42.5732, 42.6248



8.4966, 8.5056, 8.8465



13.1373, 6.7732, 0.6149



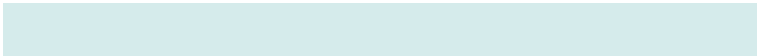
0.4134, 0.2132, 0.0194

Inverse Universe

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



40.4957, 44.1525, 49.5685



72.1118, 79.3787, 89.8155



39.2148, 41.5906, 49.1415



8.7425, 9.6312, 10.9046



17.1346, 25.0695, 34.0728



0.5392, 0.7889, 1.0721

Previews

White Background



This preview shows how the XYZ color 39.6162, 40.1308, 42.2172 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 39.6162, 40.1308, 42.2172 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 39.6162, 40.1308, 42.2172

Background



This preview shows how black text looks on a background with the XYZ color 39.6162, 40.1308, 42.2172.



This preview shows how white text looks on a background with the XYZ color 39.6162, 40.1308,

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

39.6162, 40.1308, 42.2172

Protanopia

38.4894, 40.0873, 42.7548

Deuteranopia

40.8369, 39.9429, 42.6032



Tritanopia

40.7824, 40.0697, 47.7042

Trichromacy



Original Color

39.6162, 40.1308, 42.2172

Protanomaly

38.9750, 40.0625, 42.7244

Deuteranomaly

40.2902, 39.9278, 42.6291

Tritanomaly

40.3323, 40.1522, 45.6688

Monochromacy



Original Color

39.6162, 40.1308, 42.2172

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.0860, 40.6504, 43.8165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6162, 40.1308, 42.2172 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(180, 167, 167)` looks like.

```
.text, #text, p{  
    color:rgb(180, 167, 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(180, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 167, 167) }
```

Border

The CSS property to change the border of an element to XYZ 39.6162, 40.1308, 42.2172 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(180, 167, 167) }
```


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

```
.border{ border-color:rgb(180, 167, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 167, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 167, 167);  
box-shadow:4px 4px 4px 4px rgb(180, 167,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6162, 40.1308, 42.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 167, 167) }
```

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

```
.background{ background-color: rgb(180,  
167, 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](#).

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