

Converting Colors

XYZ(38.7661, 40.7237, 43.1712)

Have a look what the booklet for
XYZ(38.7661, 40.7237, 43.1712)
contains.

XYZ(38.7376, 40.7610, 43.3621)	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(38.7376, 40.7610,
43.3621)**

Conversions

Conversions Part 1

Format	Color
Hex	ACABA9
RGB	172, 171, 169
RGB Percent	67%, 67%, 66%
CMY	0.3255, 0.3294, 0.3372
CMYK	0.00, 0.01, 0.02, 0.33
HSL	40°, 2%, 67%
HSV	40°, 2%, 67%
XYZ	38.7376, 40.7610, 43.3621
YIQ	171.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

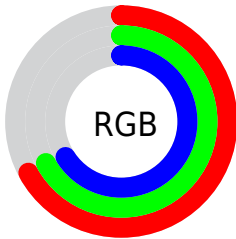
Format	Color
RYB	171, 172, 169
Decimal	11316137
CIELab	70.01, -0.01, 1.14
CIELCh	70, 1.145, 90.720
Yxy	40.7610, 0.3153, 0.3318
Android (android.graphics.Color)	4289506217 (0xFFACABA9)
YUV	171.0710, -1.0210, 0.8147
Hunter-Lab	63.8443, -3.4226, 4.4222

Details

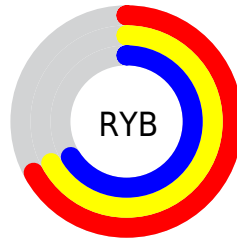
The XYZ color **38.7376, 40.7610, 43.3621** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1834, 40.1626, 44.7700**, and the grayscale version is **38.7498, 40.7678, 44.3962**.

A 20% lighter version of the original color is **72.3295, 76.1054, 81.3987**, and **17.5534, 18.4711, 19.4697** is the 20% darker color. If you saturate the color by 10%, you get **36.1716, 38.0451, 35.0574**, and if you desaturate by 10%, it is **41.5650, 43.6589, 52.8030**.

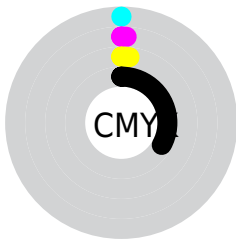
Distribution



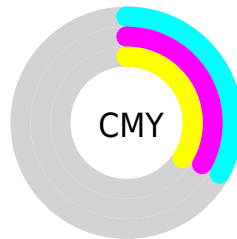
- Red (67%)
- Green (67%)
- Blue (66%)



- Red (67%)
- Yellow (67%)
- Blue (66%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7376, 40.7610, 43.3621 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 38.7376, 40.7610, 43.3621 by changing the saturation by 10% instead.

■ 38.7376, 40.7610,
43.3621

■ 38.7376, 40.7610,
43.3621

332.0000,
349.3207, 376.0637

■ 26.7355, 28.1324,
29.8358

■ 72.5339, 76.3210,
81.5492

■ 17.5102, 18.4255,
19.4630

95.0588, 100.0211,
107.0471

■ 10.6965, 11.2559,
11.8251

121.8220,
128.1805, 137.3727

■ 5.9289, 6.2392,
6.5036

153.1889,
161.1836, 172.9444

■ 2.8421, 2.9911,
3.0800

189.5248,
199.4148, 214.1808

■ 1.0708, 1.1271,
1.1356

231.1950,

■ 0.0005, 0.0009,

243.2584, 261.5004

0.0000

278.5650,
293.0989, 315.3219

■ 0.0000, 0.0000,
0.0000

■ 38.7376, 40.7610,
43.3621

■ 38.7376, 40.7610,
43.3621

■ 36.1716, 38.0451,
35.0574

■ 41.5650, 43.6589,
52.8030

■ 33.8549, 35.5014,
27.8428

■ 44.6589, 46.7377,
63.4186

■ 31.7792, 33.1270,
21.6727

■ 48.0282, 50.0032,
75.2489

■ 29.9345, 30.9168,
16.4974

■ 51.6807, 53.4595,
88.3311

■ 28.3101, 28.8657,
12.2633

■ 55.6232, 57.1101,
102.6994

■ 26.8941, 26.9679,
8.9113

■ 56.9687, 59.8011,
103.1479

■ 25.6734, 25.2171,
6.3760

■ 58.3642, 62.5920,
103.6131

■ 24.6334, 23.6063,
4.5823

■ 59.8102, 65.4841,
104.0951

■ 23.7564, 22.1275,
3.4416

■ 61.3072, 68.4782,
104.5941

Harmonies

Analogous

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



38.9179, 40.7610, 43.4914



38.7376, 40.7610, 43.3621



38.5591, 40.7610, 43.5042

Triad

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



38.7376, 40.7610, 43.3621



38.4344, 40.7610, 44.9089



39.0559, 40.7610, 44.8863

Complementary

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



38.7376, 40.7610, 43.3621



38.1834, 40.1626, 44.7700

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.



38.9257, 40.7610, 45.2712



38.7376, 40.7610, 43.3621



38.5669, 40.7610, 45.2842

Square

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



38.7376, 40.7610, 43.3621



38.3844, 40.7610, 44.3947



38.7466, 40.7610, 45.4174



39.1020, 40.7610, 44.3689

Rectangle

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



38.7376, 40.7610, 43.3621



38.4650, 40.7610, 43.7343



38.7466, 40.7610, 45.4174



39.0205, 40.7610, 45.0356

Sweetspot

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



38.7387, 40.7628, 43.3630



70.6331, 74.3191, 79.8392



38.4575, 40.0495, 43.7342



15.3562, 16.1575, 17.3708



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.



38.7387, 40.7628, 43.3630



70.1344, 73.8002, 78.1974



38.8183, 41.0845, 43.4209



8.8785, 9.3425, 9.9226



17.2601, 15.7258, 2.1257



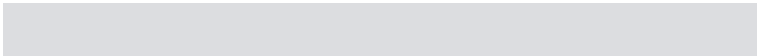
0.5276, 0.5324, 0.0749

Inverse Universe

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



38.1834, 40.1626, 44.7700



68.9606, 72.5319, 81.1712



38.1047, 39.8456, 44.7130



8.7427, 9.1957, 10.2668



6.6824, 4.4986, 29.5606



0.2370, 0.2273, 0.8394

Previews

White Background



This preview shows how the XYZ color 38.7376, 40.7610, 43.3621 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 38.7376, 40.7610, 43.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

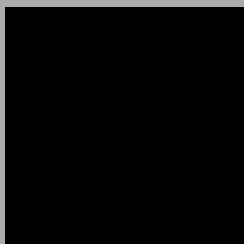
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

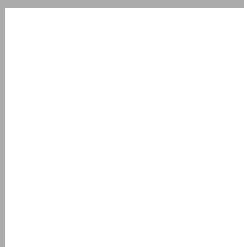
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7376, 40.7610, 43.3621

Background



This preview shows how black text looks on a background with the XYZ color 38.7376, 40.7610, 43.3621.



This preview shows how white text looks on a background with the XYZ color 38.7376, 40.7610,

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

38.7376, 40.7610, 43.3621

Protanopia

39.2154, 40.7280, 43.3305

Deuteranopia

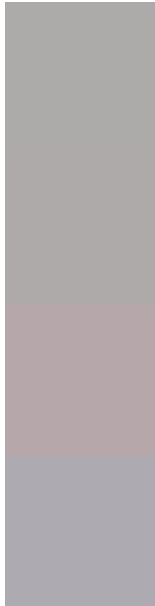
41.6310, 40.8661, 43.7240



Tritanopia

40.0870, 40.7520, 50.0091

Trichromacy



Original Color

38.7376, 40.7610, 43.3621

Protanomaly

38.9917, 40.6127, 43.3201

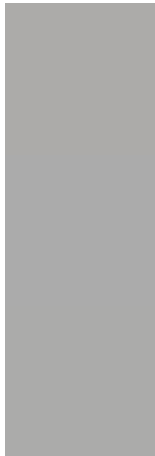
Deuteranomaly

40.5497, 40.8526, 43.7784

Tritanomaly

39.5441, 40.8080, 47.3875

Monochromacy



Original Color

38.7376, 40.7610, 43.3621

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6132, 40.6860, 43.8483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7376, 40.7610, 43.3621 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(172, 171, 169)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 169)  
}
```

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(172, 171, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.7376, 40.7610, 43.3621 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(172, 171, 169) }
```


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

```
.border{ border-color:rgb(172, 171, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 169);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7376, 40.7610, 43.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 169) }
```

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

```
.background{ background-color: rgb(172,  
171, 169) }
```

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