

Converting Colors

XYZ(42.1879, 42.7116, 43.6697)

Have a look what the booklet for
XYZ(42.1879, 42.7116, 43.6697)
contains.

XYZ(42.1637, 42.8087, 43.5768)	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(42.1637, 42.8087,
43.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	BAACA9
RGB	186, 172, 169
RGB Percent	73%, 67%, 66%
CMY	0.2706, 0.3255, 0.3372
CMYK	0.00, 0.08, 0.09, 0.27
HSL	11°, 11%, 70%
HSV	11°, 9%, 73%
XYZ	42.1637, 42.8087, 43.5768
YIQ	175.8440, 9.3070, 2.0350

Conversions

Conversions Part 2

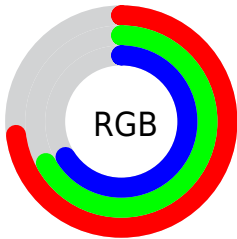
Format	Color
RYB	186, 173, 169
Decimal	12233897
CIELab	71.42, 4.50, 3.34
CIElCh	71, 5.607, 36.620
Yxy	42.8087, 0.3280, 0.3330
Android (android.graphics.Color)	4290423977 (0xFFBAACA9)
YUV	175.8440, -3.3741, 8.9068
Hunter-Lab	65.4284, 0.5303, 6.3113

Details

The XYZ color **42.1637, 42.8087, 43.5768** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.1586, 45.8466, 53.0823**, and the grayscale version is **41.2002, 43.3458, 47.2036**.

A 20% lighter version of the original color is **77.5416, 79.1972, 81.7207**, and **19.6002, 19.7038, 19.5998** is the 20% darker color. If you saturate the color by 10%, you get **37.7920, 36.6634, 34.1087**, and if you desaturate by 10%, it is **47.1222, 49.7290, 54.4671**.

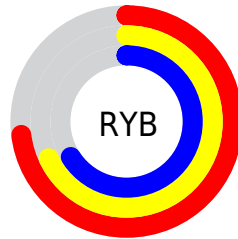
Distribution



Red (73%)

Green (67%)

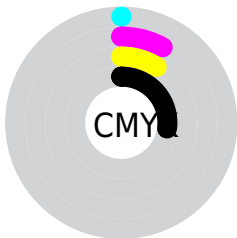
Blue (66%)



Red (73%)

Yellow (68%)

Blue (66%)

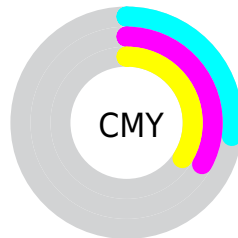


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1637, 42.8087, 43.5768 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 42.1637, 42.8087, 43.5768 by changing the saturation by 10% instead.

■ 42.1637, 42.8087,
43.5768

■ 42.1637, 42.8087,
43.5768

346.1412,
357.8245, 376.9692

■ 29.4212, 29.7350,
30.0032

■ 77.7109, 79.4221,
81.8762

■ 19.5455, 19.6376,
19.5889

101.2463,
103.7306, 107.4391

■ 12.1715, 12.1319,
11.9155

129.1101,
132.5529, 137.8355

■ 6.9336, 6.8335,
6.5643

161.6675,
166.2734, 173.4840

■ 3.4666, 3.3582,
3.1169

199.2840,
205.2763, 214.8031

■ 1.4050, 1.3215,
1.1546

242.3248,

■ 0.2598, 0.1577,

249.9463, 262.2112

0.0000

291.1554,
300.6675, 316.1271

■ 0.0000, 0.0000,
0.0000

■ 42.1637, 42.8087,
43.5768

■ 42.1637, 42.8087,
43.5768

■ 37.7920, 36.6634,
34.1087

■ 47.1222, 49.7290,
54.4671

■ 33.9816, 31.2605,
26.0014

■ 52.6845, 57.4441,
66.8320

■ 30.7106, 26.5734,
19.1927

■ 58.8713, 65.9803,
80.7250

■ 27.9543, 22.5719,
13.6151

■ 65.7015, 75.3609,
96.1958

■ 25.6858, 19.2236,
9.1944

■ 72.0448, 85.1490,
107.2460

■ 23.8758, 16.4933,
5.8486

■ 74.0600, 89.1792,
107.9177

■ 22.4919, 14.3425,
3.4851

■ 21.4969, 12.7282,
1.9950

■ 20.8358, 11.5968,
1.1862

Harmonies

Analogous

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



42.5194, 42.8087, 46.0143



42.1637, 42.8087, 43.5768



41.4134, 42.8087, 41.9978

Triad

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



42.1637, 42.8087, 43.5768



39.0438, 42.8087, 44.5774



40.8981, 42.8087, 51.9719

Complementary

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



42.1637, 42.8087, 43.5768



42.1586, 45.8466, 53.0823

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.



39.9718, 42.8087, 51.5511



42.1637, 42.8087, 43.5768



38.9107, 42.8087, 47.2136

Square

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



42.1637, 42.8087, 43.5768



39.6145, 42.8087, 42.5597



39.2479, 42.8087, 49.7837



41.7815, 42.8087, 50.9124

Rectangle

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



42.1637, 42.8087, 43.5768



40.7956, 42.8087, 41.6090



39.2479, 42.8087, 49.7837



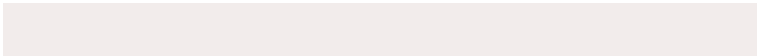
40.5814, 42.8087, 51.9995

Sweetspot

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



42.1649, 42.8106, 43.5777



81.7689, 85.0630, 90.6931



43.0029, 42.2416, 50.7783



17.8454, 18.5070, 19.6171



90.7827, 95.5105, 104.0109



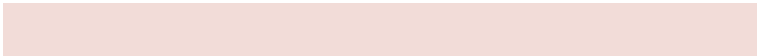
18.6292, 19.5994, 21.3438

Same Dimension

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



42.1649, 42.8106, 43.5777



74.7217, 75.2080, 75.2750



43.8004, 46.0816, 44.1229



9.1295, 9.2619, 9.4135



14.0264, 7.8291, 0.7719



0.5340, 0.3551, 0.0404

Inverse Universe

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



42.1586, 45.8466, 53.0823



74.7078, 81.8474, 96.0620



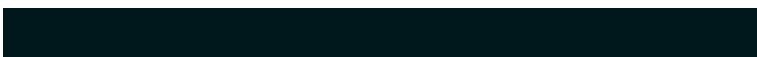
40.4909, 42.5112, 52.5264



9.1281, 9.9334, 11.5157



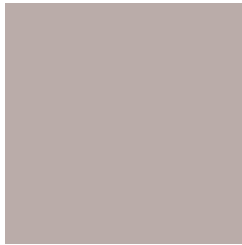
13.6913, 17.8422, 33.9754



0.5185, 0.7007, 1.2097

Previews

White Background



This preview shows how the XYZ color 42.1637, 42.8087, 43.5768 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 42.1637, 42.8087, 43.5768 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 42.1637, 42.8087, 43.5768

Background



This preview shows how black text looks on a background with the XYZ color 42.1637, 42.8087, 43.5768.



This preview shows how white text looks on a background with the XYZ color 42.1637, 42.8087,

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

42.1637, 42.8087, 43.5768

Protanopia

40.9822, 42.7581, 44.1234

Deuteranopia

43.6918, 42.7475, 43.9785



Tritanopia

43.6610, 42.8597, 50.7713

Trichromacy



Original Color

42.1637, 42.8087, 43.5768

Protanomaly

41.4907, 42.7345, 44.0920

Deuteranomaly

43.1163, 42.7281, 44.0051

Tritanomaly

43.0923, 42.9050, 48.1298

Monochromacy



Original Color

42.1637, 42.8087, 43.5768

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.6952, 43.3804, 45.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1637, 42.8087, 43.5768 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(186, 172, 169)` looks like.

```
.text, #text, p{  
    color:rgb(186, 172, 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(186, 172, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 172, 169) }
```

Border

The CSS property to change the border of an element to XYZ 42.1637, 42.8087, 43.5768 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(186, 172, 169) }
```


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

```
.border{ border-color:rgb(186, 172, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 172, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 172, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 172, 169);  
box-shadow:4px 4px 4px 4px rgb(186, 172,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1637, 42.8087, 43.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 172, 169) }
```

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

```
.background{ background-color: rgb(186,  
172, 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