

Converting Colors

XYZ(42.7725, 40.7460, 51.5116)

Have a look what the booklet for
XYZ(42.7725, 40.7460, 51.5116)
contains.

XYZ(42.7715, 40.7451, 51.5092)	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(42.7715, 40.7451,
51.5092)**

Conversions

Conversions Part 1

Format	Color
Hex	BCA4B9
RGB	188, 164, 185
RGB Percent	74%, 64%, 73%
CMY	0.2627, 0.3568, 0.2745
CMYK	0.00, 0.13, 0.02, 0.26
HSL	308°, 15%, 69%
HSV	308°, 13%, 74%
XYZ	42.7715, 40.7451, 51.5092
YIQ	173.5700, 7.5630, 11.6190

Conversions

Conversions Part 2

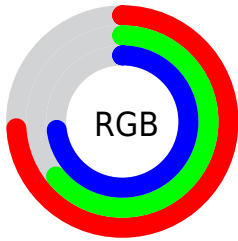
Format	Color
R _Y B	188, 164, 185
Decimal	12362937
CIE Lab	70.00, 12.48, -7.57
CIE LCh	70, 14.594, 328.770
Yxy	40.7451, 0.3168, 0.3018
Android (android.graphics.Color)	4290553017 (0xFFBCA4B9)
YUV	173.5700, 5.6350, 12.6551
Hunter-Lab	63.8319, 7.9008, -3.1618

Details

The XYZ color **42.7715, 40.7451, 51.5092** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.2698, 46.6502, 43.4435**, and the grayscale version is **39.9820, 42.0642, 45.8079**.

A 20% lighter version of the original color is **78.5169, 76.2470, 93.7979**, and **19.9507, 18.4052, 24.3308** is the 20% darker color. If you saturate the color by 10%, you get **39.4069, 34.4092, 49.1739**, and if you desaturate by 10%, it is **46.6399, 48.0809, 54.0337**.

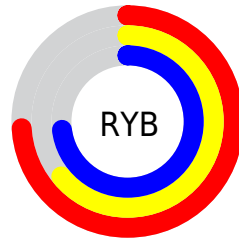
Distribution



Red (74%)

Green (64%)

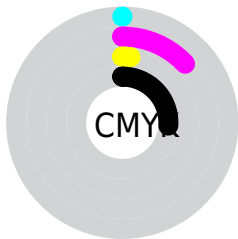
Blue (73%)



Red (74%)

Yellow (64%)

Blue (73%)

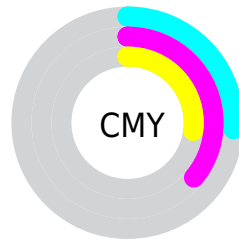


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (26%)



Cyan (26%)


Magenta (36%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7715, 40.7451, 51.5092 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 42.7715, 40.7451, 51.5092 by changing the saturation by 10% instead.


 42.7715, 40.7451,
51.5092

 42.7715, 40.7451,
51.5092


348.6087,
349.2541, 409.4418

 29.8996, 28.1200,
36.2345


 78.6238, 76.2968,
93.8262

 19.9101, 18.4161,
24.3242


 102.3349, 99.9921,
121.7056

 12.4376, 11.2491,
15.3599


130.3898,
128.1464, 154.6236

 7.1167, 6.2347,
8.9229

163.1539,
161.1438, 192.9987

 3.5822, 2.9883,
4.5948

200.9924,
199.3689, 237.2496

 1.4686, 1.1256,
1.9570

244.2709,

 0.3043, 0.0000,

243.2061, 287.7947

0.5286

293.3545,
293.0397, 345.0526

■ 0.0000, 0.0000,
0.0000

■ 42.7715, 40.7451,
51.5092

■ 42.7715, 40.7451,
51.5092

■ 39.4069, 34.4092,
49.1739

■ 46.6399, 48.0809,
54.0337

■ 36.5208, 29.0243,
47.0177

■ 51.0290, 56.4520,
56.7515

■ 34.0911, 24.5456,
45.0338

■ 55.9592, 65.8988,
59.6702

■ 32.0923, 20.9224,
43.2134

■ 61.4489, 76.4578,
62.7959

■ 30.4966, 18.0991,
41.5473

■ 66.5492, 86.2315,
65.8125

■ 29.2730, 16.0134,
40.0249

■ 66.8203, 86.3399,
67.2400

■ 28.3858, 14.5940,
38.6343

■ 67.0956, 86.4500,
68.6897

■ 27.7921, 13.7554,
37.3611

■ 67.3752, 86.5619,
70.1617

■ 27.4851, 13.3898,
36.4929

■ 67.6590, 86.6754,
71.6561

Harmonies

Analogous

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



40.9705, 40.7451, 56.8668



42.7715, 40.7451, 51.5092



43.4825, 40.7451, 44.6464

Triad

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



42.7715, 40.7451, 51.5092



38.8253, 40.7451, 32.5139



34.8542, 40.7451, 50.9728

Complementary

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



42.7715, 40.7451, 51.5092



40.2698, 46.6502, 43.4435

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.



34.3315, 40.7451, 44.0838



42.7715, 40.7451, 51.5092



36.5669, 40.7451, 33.8436

Square

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



42.7715, 40.7451, 51.5092



41.1474, 40.7451, 34.0790



34.9458, 40.7451, 37.9130



36.4034, 40.7451, 56.5355

Rectangle

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



42.7715, 40.7451, 51.5092



43.2214, 40.7451, 40.2814



34.9458, 40.7451, 37.9130



34.5555, 40.7451, 48.7145

Sweetspot

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



42.7727, 40.7469, 51.5101



83.5618, 85.3037, 97.3116



38.2485, 38.3776, 52.9694



17.8508, 18.1184, 20.8503



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.



42.7727, 40.7469, 51.5101



75.9211, 70.8310, 92.2711



41.5781, 40.2691, 45.2197



9.8772, 9.6752, 11.7424



18.7318, 9.1239, 24.9450



0.7483, 0.3632, 1.0539

Inverse Universe

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



42.7727, 40.7469, 51.5101



75.9211, 70.8310, 92.2711



41.4110, 47.1067, 49.4531



9.8772, 9.6752, 11.7424



18.7318, 9.1239, 24.9450



0.7483, 0.3632, 1.0539

Previews

White Background



This preview shows how the XYZ color 42.7715, 40.7451, 51.5092 looks on a white background.

Color Contrast Check

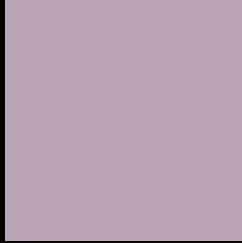
Large Text (above 18pt) WCAG AA × Fail

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 42.7715, 40.7451, 51.5092 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

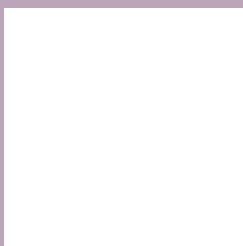
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7715, 40.7451, 51.5092

Background



This preview shows how black text looks on a background with the XYZ color 42.7715, 40.7451, 51.5092.



This preview shows how white text looks on a background with the XYZ color 42.7715, 40.7451,

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

42.7715, 40.7451, 51.5092

Protanopia

39.9222, 40.8586, 53.9265

Deuteranopia

41.6846, 40.7203, 51.5617



Tritanopia

41.9845, 40.6894, 47.7605

Trichromacy



Original Color

42.7715, 40.7451, 51.5092

Protanomaly

40.9842, 40.8662, 53.3048

Deuteranomaly

41.9793, 40.6034, 51.5236

Tritanomaly

42.2891, 40.8113, 49.3645

Monochromacy



Original Color

42.7715, 40.7451, 51.5092

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.0010, 41.5475, 47.9780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7715, 40.7451, 51.5092 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(188, 164, 185)` looks like.

```
.text, #text, p{  
    color:rgb(188, 164, 185)  
}
```

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(188, 164, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 164, 185) }
```

Border

The CSS property to change the border of an element to XYZ 42.7715, 40.7451, 51.5092 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(188, 164, 185) }
```


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

```
.border{ border-color:rgb(188, 164, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 164, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 164, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 164, 185);  
box-shadow:4px 4px 4px 4px rgb(188, 164,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7715, 40.7451, 51.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 164, 185) }
```

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

```
.background{ background-color: rgb(188,  
164, 185) }
```

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