

Converting Colors

XYZ(45.0714, 42.2497, 51.4321)

Have a look what the booklet for
XYZ(45.0714, 42.2497, 51.4321)
contains.

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Color

**XYZ(44.9770, 42.1488,
51.6639)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A5B9
RGB	196, 165, 185
RGB Percent	77%, 65%, 73%
CMY	0.2314, 0.3529, 0.2745
CMYK	0.00, 0.16, 0.06, 0.23
HSL	321°, 21%, 71%
HSV	321°, 16%, 77%
XYZ	44.9770, 42.1488, 51.6639
YIQ	176.5490, 12.0560, 12.7920

Conversions

Conversions Part 2

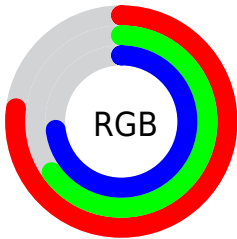
Format	Color
R_{YB}	196, 165, 185
Decimal	12887481
CIE Lab	70.97, 14.75, -6.04
CIE LCh	71, 15.935, 337.729
Yxy	42.1488, 0.3241, 0.3037
Android (android.graphics.Color)	4291077561 (0xFFC4A5B9)
YUV	176.5490, 4.1663, 17.0585
Hunter-Lab	64.9221, 10.0483, -1.7365

Details

The XYZ color **44.9770, 42.1488, 51.6639** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.0951, 50.6149, 48.5749**, and the grayscale version is **41.5290, 43.6918, 47.5803**.

A 20% lighter version of the original color is **81.9784, 78.4199, 94.0349**, and **21.2253, 19.2270, 24.4223** is the 20% darker color. If you saturate the color by 10%, you get **40.9930, 35.3267, 46.8016**, and if you desaturate by 10%, it is **49.5412, 50.0725, 56.8979**.

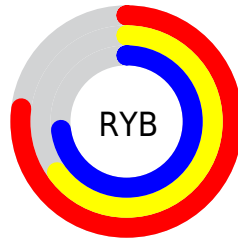
Distribution



Red (77%)

Green (65%)

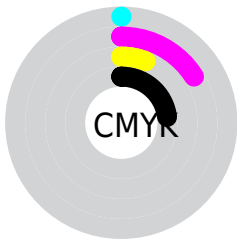
Blue (73%)



Red (77%)

Yellow (65%)

Blue (73%)

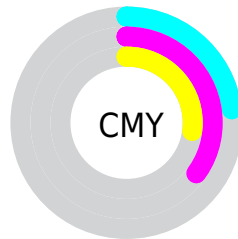


Cyan (0%)

Magenta (16%)

Yellow (6%)

Black (23%)



Cyan (23%)


Magenta (35%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9770, 42.1488, 51.6639 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 44.9770, 42.1488, 51.6639 by changing the saturation by 10% instead.


 44.9770, 42.1488,
51.6639


 44.9770, 42.1488,
51.6639


357.4657,
355.0994, 410.0577

 31.6405, 29.2178,
36.3569


 81.9232, 78.4248,
94.0569

 21.2413, 19.2457,
24.4181


 106.2636,
102.5386, 121.9799

 13.4139, 11.8479,
15.4290


135.0026,
131.1488, 154.9454

 7.7932, 6.6402,
8.9710

168.5058,
164.6397, 193.3718

 4.0136, 3.2381,
4.6257

207.1383,
203.3959, 237.6777

 1.7098, 1.2573,
1.9745

251.2655,

 0.4624, 0.1078,

247.8016, 288.2816

0.5395

301.2529,
298.2413, 345.6021

■ 0.0000, 0.0000,
0.0000

■ 44.9770, 42.1488,
51.6639

■ 44.9770, 42.1488,
51.6639

■ 40.9930, 35.3267,
46.8016

■ 49.5412, 50.0725,
56.8979

■ 37.5603, 29.5513,
42.2973

■ 54.7054, 59.1385,
62.5110

■ 34.6533, 24.7713,
38.1404

■ 60.4930, 69.3922,
68.5141

■ 32.2425, 20.9288,
34.3186

■ 66.9250, 80.8749,
74.9165

■ 30.2956, 17.9599,
30.8182

■ 71.4142, 88.4115,
80.8581

■ 28.7761, 15.7927,
27.6245

■ 72.3537, 88.7873,
85.8055

■ 27.6419, 14.3436,
24.7206

■ 73.3320, 89.1786,
90.9571

■ 26.8404, 13.5084,
22.0859

■ 74.3495, 89.5856,
96.3152

■ 26.5598, 13.2537,
21.0478

■ 75.4067, 90.0085,
101.8823

Harmonies

Analogous

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



43.2692, 42.1488, 58.4640



44.9770, 42.1488, 51.6639



45.3395, 42.1488, 43.9532

Triad

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



44.9770, 42.1488, 51.6639



39.3780, 42.1488, 32.8684



36.1551, 42.1488, 55.4404

Complementary

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



44.9770, 42.1488, 51.6639



43.0951, 50.6149, 48.5749

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.



35.2093, 42.1488, 47.8888



44.9770, 42.1488, 51.6639



37.0157, 42.1488, 35.2668

Square

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



44.9770, 42.1488, 51.6639



42.0286, 42.1488, 33.6416



35.5172, 42.1488, 40.5685



38.1561, 42.1488, 60.8069

Rectangle

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



44.9770, 42.1488, 51.6639



44.7553, 42.1488, 39.4165



35.5172, 42.1488, 40.5685



35.7073, 42.1488, 53.0424

Sweetspot

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



44.9782, 42.1507, 51.6648



90.3966, 91.8452, 103.7972



41.2912, 40.1105, 57.7909



19.2135, 19.4226, 22.0664



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



44.9782, 42.1507, 51.6648



78.8481, 71.8296, 90.4485



43.4442, 41.5370, 43.5866



10.3406, 10.1849, 11.8842



17.1079, 8.5329, 13.7461



0.7710, 0.3814, 0.7614

Inverse Universe

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



44.9782, 42.1507, 51.6648



78.8481, 71.8296, 90.4485



44.7009, 51.2572, 57.0309



10.3406, 10.1849, 11.8842



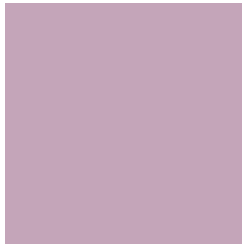
17.1079, 8.5329, 13.7461



0.7710, 0.3814, 0.7614

Previews

White Background



This preview shows how the XYZ color 44.9770, 42.1488, 51.6639 looks on a white background.

Color Contrast Check

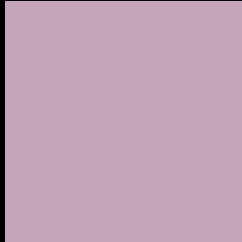
Large Text (above 18pt) WCAG AA × Fail

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 44.9770, 42.1488, 51.6639 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 44.9770, 42.1488, 51.6639

Background



This preview shows how black text looks on a background with the XYZ color 44.9770, 42.1488, 51.6639.



This preview shows how white text looks on a background with the XYZ color 44.9770, 42.1488,

51.6639.

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

44.9770, 42.1488, 51.6639

Protanopia

41.2511, 42.3755, 54.7203

Deuteranopia

43.0894, 42.2757, 51.2364



Tritanopia

44.2786, 42.1292, 48.4458

Trichromacy



Original Color

44.9770, 42.1488, 51.6639

Protanomaly

42.5079, 42.2040, 53.4827

Deuteranomaly

43.8896, 42.4131, 51.2207

Tritanomaly

44.4824, 42.2107, 49.5191

Monochromacy



Original Color

44.9770, 42.1488, 51.6639

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.9490, 43.3728, 49.2881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9770, 42.1488, 51.6639 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(196, 165, 185)` looks like.

```
.text, #text, p{  
    color:rgb(196, 165, 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(196, 165, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 165, 185) }
```

Border

The CSS property to change the border of an element to XYZ 44.9770, 42.1488, 51.6639 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(196, 165, 185) }
```


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

```
.border{ border-color:rgb(196, 165, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 165, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 165, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 165, 185);  
box-shadow:4px 4px 4px 4px rgb(196, 165,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9770, 42.1488, 51.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 165, 185) }
```

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

```
.background{ background-color: rgb(196,  
165, 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](#).

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