

Converting Colors

XYZ(47.9151, 42.9927, 58.1911)

Have a look what the booklet for
XYZ(47.9151, 42.9927, 58.1911)
contains.

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Color

**XYZ(47.9628, 43.0173,
57.9998)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA3C4
RGB	204, 163, 196
RGB Percent	80%, 64%, 77%
CMY	0.2000, 0.3608, 0.2314
CMYK	0.00, 0.20, 0.04, 0.20
HSL	312°, 29%, 72%
HSV	312°, 20%, 80%
XYZ	47.9628, 43.0173, 57.9998
YIQ	179.0210, 13.8430, 18.9550

Conversions

Conversions Part 2

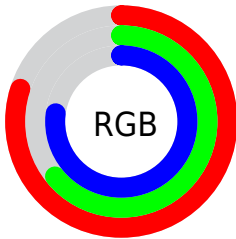
Format	Color
R_{YB}	204, 163, 196
Decimal	13411268
CIE _{Lab}	71.57, 20.63, -11.15
CIE _{LCh}	72, 23.447, 331.609
Yxy	43.0173, 0.3219, 0.2887
Android (android.graphics.Color)	4291601348 (0xFFCCA3C4)
YUV	179.0210, 8.3706, 21.9066
Hunter-Lab	65.5876, 15.7550, -6.5195

Details

The XYZ color **47.9628, 43.0173, 57.9998** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.0495, 53.9137, 46.6152**, and the grayscale version is **42.8117, 45.0412, 49.0499**.

A 20% lighter version of the original color is **84.0410, 78.4947, 103.6500**, and **22.9614, 19.7114, 28.1857** is the 20% darker color. If you saturate the color by 10%, you get **44.1820, 36.1706, 54.5339**, and if you desaturate by 10%, it is **52.3424, 51.0411, 61.7256**.

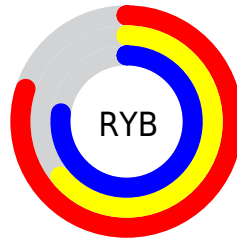
Distribution



Red (80%)

Green (64%)

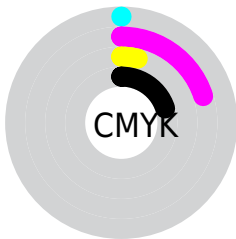
Blue (77%)



Red (80%)

Yellow (64%)

Blue (77%)

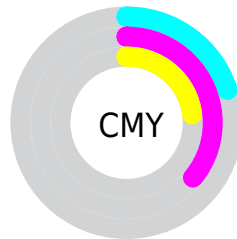


Cyan (0%)

Magenta (20%)

Yellow (4%)

Black (20%)



Cyan (20%)


Magenta (36%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9628, 43.0173, 57.9998 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 47.9628, 43.0173, 57.9998 by changing the saturation by 10% instead.


 47.9628, 43.0173,
57.9998


 47.9628, 43.0173,
57.9998


369.2297,
358.6829, 434.7834

 34.0086, 29.8987,
41.3938


 86.3590, 79.7370,
103.4373

 23.0631, 19.7617,
28.3049


 111.5318,
104.1068, 133.1060

 14.7611, 12.2219,
18.3146


141.1747,
132.9959, 167.9658

 8.7371, 6.8950,
11.0043

175.6531,
166.7885, 208.4356

 4.6258, 3.3965,
5.9555

215.3325,
205.8691, 254.9336

 2.0619, 1.3421,
2.7497

260.5782,

 0.6684, 0.1734,

250.6221, 307.8786

0.9683

311.7554,
301.4319, 367.6890

■ 0.0000, 0.0000,
0.0000

■ 47.9628, 43.0173,
57.9998

■ 47.9628, 43.0173,
57.9998

■ 44.1820, 36.1706,
54.5339

■ 52.3424, 51.0411,
61.7256

■ 40.9681, 30.4394,
51.3153

■ 57.3433, 60.2885,
65.7178

■ 38.2921, 25.7650,
48.3345

■ 62.9911, 70.8105,
69.9859

■ 36.1208, 22.0811,
45.5798

■ 69.3093, 82.6534,
74.5381

■ 34.4171, 19.3139,
43.0385

■ 73.0445, 89.3105,
78.2903

■ 33.1390, 17.3792,
40.6960

■ 73.5653, 89.5188,
81.0326

■ 32.2364, 16.1772,
38.5353

■ 74.0986, 89.7321,
83.8410

■ 31.6203, 15.5248,
36.5432

■ 74.6446, 89.9505,
86.7160

■ 75.2032, 90.1740,
89.6580

Harmonies

Analogous

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



45.0117, 43.0173, 67.9896



47.9628, 43.0173, 57.9998



48.9860, 43.0173, 46.2286

Triad

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



47.9628, 43.0173, 57.9998



40.6731, 43.0173, 28.2361



34.7347, 43.0173, 59.2320

Complementary

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



47.9628, 43.0173, 57.9998



44.0495, 53.9137, 46.6152

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.



33.7332, 43.0173, 47.4538



47.9628, 43.0173, 57.9998



37.0217, 43.0173, 30.6035

Square

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



47.9628, 43.0173, 57.9998



44.6178, 43.0173, 30.1445



34.5431, 43.0173, 37.2097



37.3695, 43.0173, 68.7781

Rectangle

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



47.9628, 43.0173, 57.9998



48.3878, 43.0173, 39.2530



34.5431, 43.0173, 37.2097



34.2038, 43.0173, 55.3432

Sweetspot

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



47.9641, 43.0192, 58.0007



89.8848, 90.4329, 104.8253



40.6876, 39.1600, 62.5415



19.1237, 19.1434, 22.3441



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.



47.9641, 43.0192, 58.0007



76.6737, 66.2291, 93.5819



45.8353, 42.1677, 46.7909



11.5900, 11.3648, 13.6418



19.9353, 9.7847, 23.1755



1.0531, 0.5146, 1.3254

Inverse Universe

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



47.9641, 43.0192, 58.0007



76.6737, 66.2291, 93.5819



46.1044, 54.7356, 57.4362



11.5900, 11.3648, 13.6418



19.9353, 9.7847, 23.1755



1.0531, 0.5146, 1.3254

Previews

White Background



This preview shows how the XYZ color 47.9628, 43.0173, 57.9998 looks on a white background.

Color Contrast Check

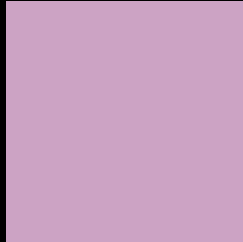
Large Text (above 18pt) WCAG AA × Fail

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 47.9628, 43.0173, 57.9998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

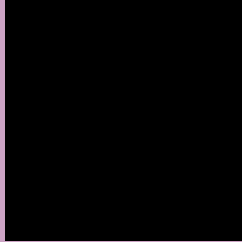
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9628, 43.0173, 57.9998

Background



This preview shows how black text looks on a background with the XYZ color 47.9628, 43.0173, 57.9998.



This preview shows how white text looks on a background with the XYZ color 47.9628, 43.0173,

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

47.9628, 43.0173, 57.9998

Protanopia

42.4931, 43.1299, 62.5852

Deuteranopia

44.1804, 43.2563, 57.6505



Tritanopia

46.1300, 43.0837, 48.5325

Trichromacy



Original Color

47.9628, 43.0173, 57.9998

Protanomaly

44.0915, 42.8647, 60.5934

Deuteranomaly

45.3388, 43.0218, 57.5442

Tritanomaly

46.8407, 43.1096, 51.7511

Monochromacy



Original Color

47.9628, 43.0173, 57.9998

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.4396, 44.0813, 52.0653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9628, 43.0173, 57.9998 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(204, 163, 196)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 196)  
}
```

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(204, 163, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.9628, 43.0173, 57.9998 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(204, 163, 196) }
```


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

```
.border{ border-color:rgb(204, 163, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 196);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9628, 43.0173, 57.9998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 196) }
```

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

```
.background{ background-color: rgb(204,  
163, 196) }
```

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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