

# Converting Colors

XYZ(47.4101, 46.8840, 53.8452)

Have a look what the booklet for  
XYZ(47.4101, 46.8840, 53.8452)  
contains.

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# Color

**XYZ(47.5032, 47.0737,  
54.1594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B2BC
RGB	195, 178, 188
RGB Percent	76%, 70%, 74%
CMY	0.2353, 0.3019, 0.2627
CMYK	0.00, 0.09, 0.04, 0.24
HSL	325°, 12%, 73%
HSV	325°, 9%, 76%
XYZ	47.5032, 47.0737, 54.1594
YIQ	184.2230, 6.9220, 6.7140

# Conversions

## Conversions Part 2

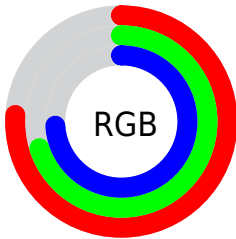
Format	Color
<a href="#">RYB</a>	<a href="#">195, 178, 188</a>
Decimal	<a href="#">12825276</a>
CIELab	<a href="#">74.24, 7.84, -2.88</a>
CIELCh	<a href="#">74, 8.355, 339.804</a>
Yxy	<a href="#">47.0737, 0.3194, 0.3165</a>
Android (android.graphics.Color)	<a href="#">4291015356</a> ( <a href="#">0xFFC3B2BC</a> )
YUV	<a href="#">184.2230, 1.8621, 9.4514</a>
Hunter-Lab	<a href="#">68.6103, 3.5188, 1.2250</a>

# Details

The XYZ color **47.5032, 47.0737, 54.1594** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6340, 51.9993, 53.4805**, and the grayscale version is **45.6717, 48.0501, 52.3266**.

A 20% lighter version of the original color is **85.8968, 86.0727, 97.6744**, and **22.6913, 22.0792, 25.9874** is the 20% darker color. If you saturate the color by 10%, you get **43.0543, 39.5225, 48.5235**, and if you desaturate by 10%, it is **52.5545, 55.7513, 60.2350**.

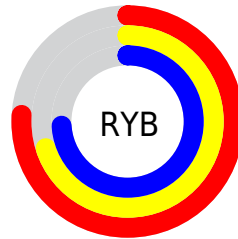
# Distribution



Red (76%)

Green (70%)

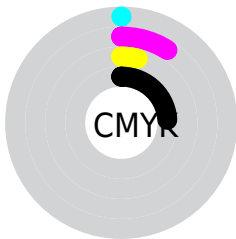
Blue (74%)



Red (76%)

Yellow (70%)

Blue (74%)

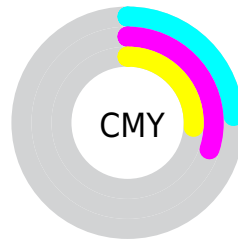


Cyan (0%)

Magenta (9%)

Yellow (4%)

Black (24%)



Cyan (24%)

Magenta (30%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5032, 47.0737, 54.1594 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 47.5032, 47.0737, 54.1594 by changing the saturation by 10% instead.





 47.5032, 47.0737,  
54.1594

 47.5032, 47.0737,  
54.1594


367.4350,  
375.1086, 419.9094

 33.6432, 33.0939,  
38.3351


 85.6784, 85.8236,  
97.7670

 22.7813, 22.1984,  
25.9390

110.7244,  
111.3626, 126.3874

 14.5519, 14.0028,  
16.5527


140.2298,  
141.5233, 160.1102

 8.5898, 8.1226,  
9.7575

174.5599,  
176.6903, 199.3539

 4.5295, 4.1735,  
5.1350

214.0802,  
217.2480, 244.5372

 2.0059, 1.7711,  
2.2665

259.1558,

 0.6372, 0.4690,

263.5806, 296.0785

0.7124

310.1523,  
316.0727, 354.3963

■ 0.0000, 0.0000,  
0.0000

■ 47.5032, 47.0737,  
54.1594

■ 47.5032, 47.0737,  
54.1594

■ 43.0543, 39.5225,  
48.5235

■ 52.5545, 55.7513,  
60.2350

■ 39.1798, 33.0450,  
43.3123

■ 58.2268, 65.5931,  
66.7585

■ 35.8555, 27.5933,  
38.5146

■ 64.5427, 76.6426,  
73.7416

■ 33.0539, 23.1135,  
34.1171

■ 71.2009, 88.2962,  
81.0876

■ 30.7448, 19.5469,  
30.1055

■ 72.2914, 88.7324,  
86.8298

■ 28.8949, 16.8281,  
26.4646

■ 73.4337, 89.1893,  
92.8449

■ 27.4666, 14.8832,  
23.1773

■ 74.6284, 89.6672,  
99.1365

■ 26.4155, 13.6252,  
20.2245

■ 75.8764, 90.1664,  
105.7081

■ 25.6694, 12.9111,  
17.5773

■ 76.3160, 90.3423,  
108.0233

# Harmonies

## Analogous

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



46.6135, 47.0737, 57.8647



47.5032, 47.0737, 54.1594



47.6440, 47.0737, 49.8620

# Triad

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



47.5032, 47.0737, 54.1594



44.2530, 47.0737, 43.5410



42.5633, 47.0737, 56.7254

# Complementary

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



47.5032, 47.0737, 54.1594



46.6340, 51.9993, 53.4805

# 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.



41.9605, 47.0737, 52.6742



47.5032, 47.0737, 54.1594



42.9216, 47.0737, 45.1693

# Square

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



47.5032, 47.0737, 54.1594



45.7450, 47.0737, 43.8892



42.0902, 47.0737, 48.4568



43.7540, 47.0737, 59.4026



# Rectangle

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



47.5032, 47.0737, 54.1594



47.2911, 47.0737, 47.2594



42.0902, 47.0737, 48.4568



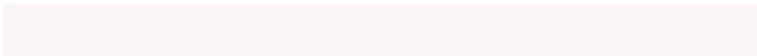
42.2864, 47.0737, 55.4702

# Sweetspot

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



47.5045, 47.0757, 54.1604



90.0737, 92.8699, 103.0716



45.7319, 46.0726, 58.1131



19.5631, 20.0589, 22.3768



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.



47.5045, 47.0757, 54.1604



83.8682, 82.2439, 95.5004



46.6354, 46.7281, 49.5836



10.3161, 10.1750, 11.7551



16.6698, 8.3577, 11.4391



0.7538, 0.3745, 0.6712



# Inverse Universe

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



47.5045, 47.0757, 54.1604



83.8682, 82.2439, 95.5004



47.5359, 52.3601, 58.2298



10.3161, 10.1750, 11.7551



16.6698, 8.3577, 11.4391

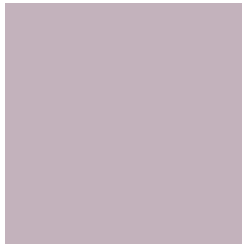


0.7538, 0.3745, 0.6712



# Previews

## White Background



This preview shows how the XYZ color 47.5032, 47.0737, 54.1594 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

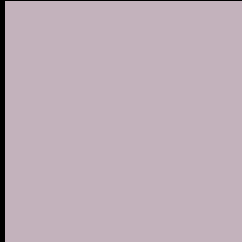
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5032, 47.0737, 54.1594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

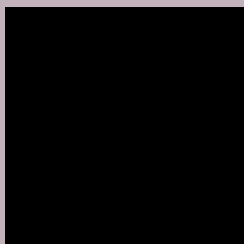
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.5032, 47.0737, 54.1594**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5032, 47.0737, 54.1594.



This preview shows how white text looks on a background with the XYZ color 47.5032, 47.0737,



# 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

47.5032, 47.0737, 54.1594

### Protanopia

45.7894, 47.3639, 55.4440

### Deuteranopia

48.0879, 47.0809, 54.1300



## Tritanopia

47.6318, 46.8080, 55.8146

# Trichromacy



## Original Color

47.5032, 47.0737, 54.1594

## Protanomaly

46.4482, 47.4132, 54.8477

## Deuteranomaly

47.8252, 46.9454, 54.1177

## Tritanomaly

47.5221, 46.7641, 55.2369

# Monochromacy



## Original Color

47.5032, 47.0737, 54.1594

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

46.2239, 47.6500, 52.6601

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5032, 47.0737, 54.1594 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(195, 178, 188)` looks like.

```
.text, #text, p{  
    color:rgb(195, 178, 188)  
}
```

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(195, 178, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 178, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5032, 47.0737, 54.1594 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".

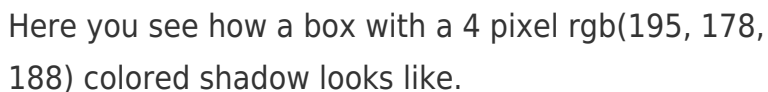
```
.border, #border, table{ border:4px solid rgb(195, 178, 188) }
```



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

```
.border{ border-color:rgb(195, 178, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 178, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 178, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 178, 188); box-shadow:4px 4px 4px 4px rgb(195, 178, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5032, 47.0737, 54.1594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 178, 188) }
```

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

```
.background{ background-color: rgb(195,  
178, 188) }
```

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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