

Converting Colors

XYZ(49.9174, 55.9752, 49.9127)

Have a look what the booklet for
XYZ(49.9174, 55.9752, 49.9127)
contains.

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Color

**XYZ(49.8087, 55.7664,
49.7338)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC9B1
RGB	189, 201, 177
RGB Percent	74%, 79%, 69%
CMY	0.2588, 0.2117, 0.3059
CMYK	0.06, 0.00, 0.12, 0.21
HSL	90°, 18%, 74%
HSV	90°, 12%, 79%
XYZ	49.8087, 55.7664, 49.7338
YIQ	194.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

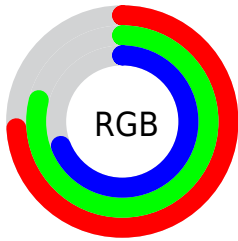
Format	Color
RYB	177, 201, 189
Decimal	12437937
CIELab	79.48, -8.44, 10.60
CIELCh	79, 13.548, 128.548
Yxy	55.7664, 0.3207, 0.3591
Android (android.graphics.Color)	4290628017 (0xFFBDC9B1)
YUV	194.6760, -8.7143, -4.9779
Hunter-Lab	74.6769, -11.6270, 12.7875

Details

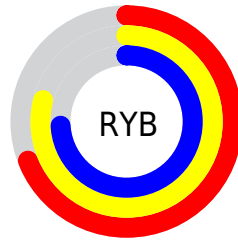
The XYZ color **49.8087, 55.7664, 49.7338** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2532, 46.4817, 61.7426**, and the grayscale version is **51.7302, 54.4242, 59.2680**.

A 20% lighter version of the original color is **88.1242, 96.8157, 91.1334**, and **24.2252, 27.5569, 23.1110** is the 20% darker color. If you saturate the color by 10%, you get **45.5437, 53.7840, 39.8350**, and if you desaturate by 10%, it is **54.5448, 57.9608, 61.1974**.

Distribution



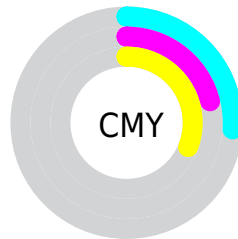
- Red (74%)
- Green (79%)
- Blue (69%)



- Red (69%)
- Yellow (79%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (26%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8087, 55.7664, 49.7338 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 49.8087, 55.7664, 49.7338 by changing the saturation by 10% instead.

■ 49.8087, 55.7664,
49.7338

■ 49.8087, 55.7664,
49.7338

376.3817,
408.8106, 402.3292

■ 35.4786, 40.0157,
34.8322

■ 89.0849, 98.6629,
91.1726

■ 24.2000, 27.5508,
23.2512

114.7617,
126.5775, 118.5469

■ 15.6076, 17.9873,
14.5720

144.9514,
159.3156, 150.9158

■ 9.3360, 10.9409,
8.3763

180.0195,
197.2614, 188.6979

■ 5.0198, 6.0271,
4.2455

220.3312,
240.7994, 232.3118

■ 2.2938, 2.8616,
1.7609

266.2519,

■ 0.7915, 1.0599,

290.3140, 282.1760

0.4020

318.1469,
346.1896, 338.7089

■ 0.0000, 0.0000,
0.0000

■ 49.8087, 55.7664,
49.7338

■ 49.8087, 55.7664,
49.7338

■ 45.5437, 53.7840,
39.8350

■ 54.5448, 57.9608,
61.1974

■ 41.7288, 51.9995,
31.4296

■ 59.7628, 60.3664,
74.2859

■ 38.3483, 50.4078,
24.4459

■ 65.4789, 62.9921,
89.0607

■ 35.3834, 49.0012,
18.8049

■ 71.3177, 65.6880,
103.5279

■ 32.8138, 47.7709,
14.4201

■ 74.6227, 67.3918,
103.6826

■ 30.6173, 46.7077,
11.1945

■ 78.1166, 69.1929,
103.8461

■ 28.7687, 45.8009,
9.0173

■ 80.1777, 70.2555,
103.9426

■ 27.2384, 45.0384,
7.7557

■ 26.1969, 44.5125,
7.2110

Harmonies

Analogous

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



52.2301, 55.7664, 47.0688



49.8087, 55.7664, 49.7338



48.2800, 55.7664, 55.4007

Triad

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



49.8087, 55.7664, 49.7338



51.1128, 55.7664, 75.7692



58.3511, 55.7664, 58.5190

Complementary

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



49.8087, 55.7664, 49.7338



47.2532, 46.4817, 61.7426

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.



58.0271, 55.7664, 66.3697



49.8087, 55.7664, 49.7338



53.7861, 55.7664, 76.7845

Square

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



49.8087, 55.7664, 49.7338



49.0148, 55.7664, 70.5497



56.3337, 55.7664, 73.2158



57.2046, 55.7664, 51.8488

Rectangle

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



49.8087, 55.7664, 49.7338



47.9416, 55.7664, 60.3410



56.3337, 55.7664, 73.2158



58.4114, 55.7664, 61.1009

Sweetspot

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



49.8102, 55.7688, 49.7350



91.5991, 98.4057, 100.3926



50.2229, 51.9891, 48.9837



19.4703, 21.0001, 21.1566



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.



49.8102, 55.7688, 49.7350



83.5598, 94.6801, 81.0961



46.9556, 54.2972, 49.6014



10.9942, 12.1439, 11.3273



16.5764, 28.0407, 4.5387



0.8684, 1.3708, 0.2188

Inverse Universe

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



47.2532, 46.4817, 61.7426



78.4361, 76.0706, 105.1568



50.3543, 48.0804, 61.8877



10.5536, 10.5436, 13.3964



10.0751, 4.4282, 35.0681



0.5606, 0.2527, 1.6644

Previews

White Background



This preview shows how the XYZ color 49.8087, 55.7664, 49.7338 looks on a white background.

Color Contrast Check

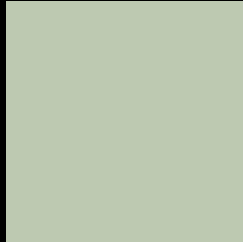
Large Text (above 18pt) WCAG AA × Fail

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 49.8087, 55.7664, 49.7338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

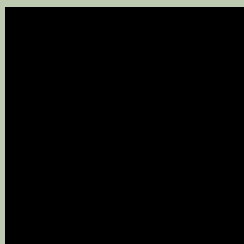
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

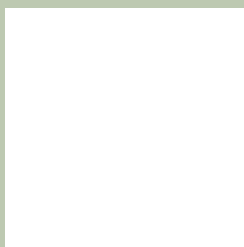
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8087, 55.7664, 49.7338

Background



This preview shows how black text looks on a background with the XYZ color 49.8087, 55.7664, 49.7338.



This preview shows how white text looks on a background with the XYZ color 49.8087, 55.7664,

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

49.8087, 55.7664, 49.7338

Protanopia

52.5567, 55.5150, 47.9898

Deuteranopia

56.6743, 55.6112, 50.3948



Tritanopia

53.8717, 55.7027, 70.1997

Trichromacy



Original Color

49.8087, 55.7664, 49.7338

Protanomaly

51.4851, 55.6254, 48.5807

Deuteranomaly

53.9060, 55.4996, 49.9908

Tritanomaly

52.2411, 55.7182, 62.0341

Monochromacy



Original Color

49.8087, 55.7664, 49.7338

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.0357, 54.9008, 55.4840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8087, 55.7664, 49.7338 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(189, 201, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 201, 177)  
}
```

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(189, 201, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 201, 177) }
```

Border

The CSS property to change the border of an element to XYZ 49.8087, 55.7664, 49.7338 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(189, 201, 177) }
```


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

```
.border{ border-color:rgb(189, 201, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 201, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 201, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 201, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 201,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8087, 55.7664, 49.7338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 201, 177) }
```

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

```
.background{ background-color: rgb(189,  
201, 177) }
```

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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