

Converting Colors

XYZ(55.7550, 48.9435, 83.5992)

Have a look what the booklet for
XYZ(55.7550, 48.9435, 83.5992)
contains.

XYZ(55.7550, 48.9435, 83.5992)	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(55.7550, 48.9435,
83.5992)**

Conversions

Conversions Part 1

Format	Color
Hex	D1ACE9
RGB	209, 172, 233
RGB Percent	82%, 67%, 91%
CMY	0.1804, 0.3255, 0.0863
CMYK	0.10, 0.26, 0.00, 0.09
HSL	276°, 58%, 79%
HSV	276°, 26%, 91%
XYZ	55.7550, 48.9435, 83.5992
YIQ	190.0170, 2.4710, 26.8150

Conversions

Conversions Part 2

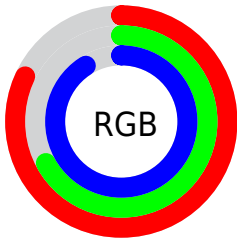
Format	Color
RYB	209, 172, 233
Decimal	13741289
CIELab	75.42, 24.52, -25.52
CIELCh	75, 35.393, 313.850
Yxy	48.9435, 0.2961, 0.2599
Android (android.graphics.Color)	4291931369 (0xFFD1ACE9)
YUV	190.0170, 21.1906, 16.6481
Hunter-Lab	69.9596, 19.8279, -21.8776

Details

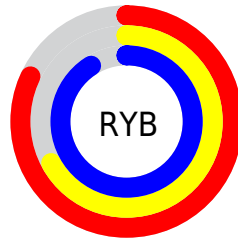
The XYZ color **55.7550, 48.9435, 83.5992** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.3518, 72.9933, 49.9928**, and the grayscale version is **48.8355, 51.3788, 55.9515**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **27.8591, 23.2380, 44.6120** is the 20% darker color. If you saturate the color by 10%, you get **49.1841, 39.5413, 82.1315**, and if you desaturate by 10%, it is **63.2557, 59.9816, 85.3352**.

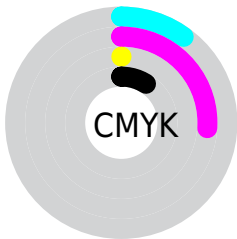
Distribution



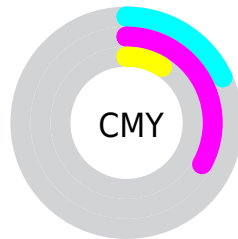
- Red (82%)
- Green (67%)
- Blue (91%)



- Red (82%)
- Yellow (67%)
- Blue (91%)



- Cyan (10%)
- Magenta (26%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7550, 48.9435, 83.5992 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 55.7550, 48.9435, 83.5992 by changing the saturation by 10% instead.

■ 55.7550, 48.9435,
83.5992

■ 55.7550, 48.9435,
83.5992

398.8576,
382.5198, 527.0046

■ 40.2428, 34.5747,
62.1411

■ 97.7882, 88.6075,
140.2711

■ 27.9129, 23.3354,
44.7102

125.0398,
114.6715, 176.3220

■ 18.4001, 14.8414,
30.8879

156.9352,
145.4027, 218.0742

■ 11.3391, 8.7081,
20.2558

193.8399,
181.1854, 265.9464

■ 6.3644, 4.5513,
12.3952

236.1191,
222.4041, 320.3569

■ 3.1106, 1.9865,
6.8876

284.1382,

■ 1.2125, 0.5996,

269.4431, 381.7244

3.3145

338.2626,
322.6869, 450.4675

■ 0.1162, 0.0000,
1.2574

■ 0.0000, 0.0000,
0.0265

■ 55.7550, 48.9435,
83.5992

■ 55.7550, 48.9435,
83.5992

■ 49.1841, 39.5413,
82.1315

■ 63.2557, 59.9816,
85.3352

■ 43.4953, 31.6863,
80.9151

■ 71.7215, 72.7259,
87.3489

■ 38.6433, 25.2908,
79.9364

■ 81.1916, 87.2500,
89.6532

■ 34.5764, 20.2553,
79.1788

■ 88.3590, 96.9367,
91.1452

■ 31.2365, 16.4678,
78.6238

■ 91.6488, 98.6327,
91.2991

■ 28.5562, 13.7971,
78.2496

■ 91.7081, 98.6632,
91.3019

■ 26.4520, 12.0809,
78.0292

■ 25.7485, 11.5747,
77.9686

Harmonies

Analogous

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



49.5851, 48.9435, 96.2990



55.7550, 48.9435, 83.5992



59.6286, 48.9435, 63.9133

Triad

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



55.7550, 48.9435, 83.5992



50.0938, 48.9435, 25.7109



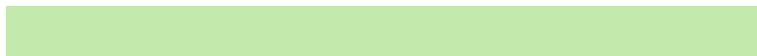
35.3791, 48.9435, 62.3553

Complementary

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



55.7550, 48.9435, 83.5992



59.3518, 72.9933, 49.9928

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.



35.4877, 48.9435, 43.9163



55.7550, 48.9435, 83.5992



43.5826, 48.9435, 25.4822

Square

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



55.7550, 48.9435, 83.5992



56.1573, 48.9435, 32.0889



38.3644, 48.9435, 31.3679



38.0524, 48.9435, 82.2313

Rectangle

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



55.7550, 48.9435, 83.5992



60.1806, 48.9435, 50.9167



38.3644, 48.9435, 31.3679



35.0998, 48.9435, 55.7383

Sweetspot

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



55.7566, 48.9456, 83.6003



85.9924, 86.1772, 106.7093



51.5533, 54.3163, 84.8585



18.0604, 17.9229, 22.7575



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.



55.7566, 48.9456, 83.6003



64.2744, 54.0821, 101.6590



62.2094, 52.3711, 79.4315



15.1080, 15.0009, 19.0214



14.7532, 6.6415, 44.2473



1.2660, 0.5770, 3.4795

Inverse Universe

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



58.3221, 50.8162, 58.9610



68.0244, 56.7986, 66.4427



54.1997, 70.2681, 52.8807



15.3109, 15.1522, 16.9224



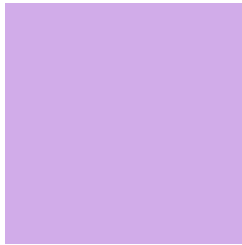
20.2126, 10.2877, 6.9210



1.6333, 0.8263, 0.7862

Previews

White Background



This preview shows how the XYZ color 55.7550, 48.9435, 83.5992 looks on a white background.

Color Contrast Check

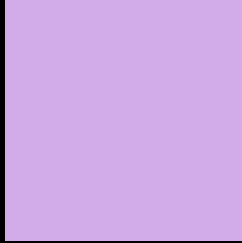
Large Text (above 18pt) WCAG AA × Fail

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 55.7550, 48.9435, 83.5992 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 55.7550, 48.9435, 83.5992

Background



This preview shows how black text looks on a background with the XYZ color 55.7550, 48.9435, 83.5992.



This preview shows how white text looks on a background with the XYZ color 55.7550, 48.9435,

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

55.7550, 48.9435, 83.5992

Protanopia

49.9621, 49.3497, 90.8966

Deuteranopia

50.2078, 49.0492, 82.4225



Tritanopia

50.3743, 48.7870, 57.2139

Trichromacy



Original Color

55.7550, 48.9435, 83.5992

Protanomaly

51.9088, 49.1888, 88.4199

Deuteranomaly

51.9717, 48.7434, 83.0131

Tritanomaly

52.0873, 48.5839, 66.3068

Monochromacy



Original Color

55.7550, 48.9435, 83.5992

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.1000, 50.1935, 65.3876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7550, 48.9435, 83.5992 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(209, 172, 233)` looks like.

```
.text, #text, p{  
    color:rgb(209, 172, 233)  
}
```

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(209, 172, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 172, 233) }
```

Border

The CSS property to change the border of an element to XYZ 55.7550, 48.9435, 83.5992 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(209, 172, 233) }
```


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

```
.border{ border-color:rgb(209, 172, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 172, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 172, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 172, 233);  
box-shadow:4px 4px 4px 4px rgb(209, 172,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7550, 48.9435, 83.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 172, 233) }
```

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

```
.background{ background-color: rgb(209,  
172, 233) }
```

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