

Converting Colors

XYZ(55.9180, 49.5539, 77.6964)

Have a look what the booklet for
XYZ(55.9180, 49.5539, 77.6964)
contains.

XYZ(55.9747, 49.4695, 77.8325)	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(55.9747, 49.4695,
77.8325)**

Conversions

Conversions Part 1

Format	Color
Hex	D5ADE1
RGB	213, 173, 225
RGB Percent	84%, 68%, 88%
CMY	0.1647, 0.3216, 0.1176
CMYK	0.05, 0.23, 0.00, 0.12
HSL	286°, 46%, 78%
HSV	286°, 23%, 88%
XYZ	55.9747, 49.4695, 77.8325
YIQ	190.8880, 7.1480, 24.6520

Conversions

Conversions Part 2

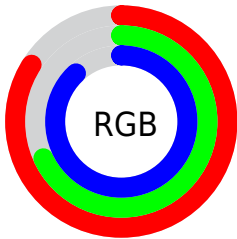
Format	Color
R _Y B	213, 173, 225
Decimal	14003681
CIE Lab	75.74, 23.66, -20.65
CIE LCh	76, 31.405, 318.889
Yxy	49.4695, 0.3054, 0.2699
Android (android.graphics.Color)	4292193761 (0xFFD5ADE1)
YUV	190.8880, 16.8172, 19.3922
Hunter-Lab	70.3346, 18.9711, -16.3764

Details

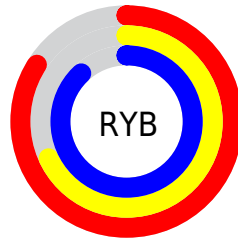
The XYZ color **55.9747, 49.4695, 77.8325** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.4774, 67.1831, 49.6339**, and the grayscale version is **49.3604, 51.9310, 56.5529**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **28.0727, 23.6043, 41.1067** is the 20% darker color. If you saturate the color by 10%, you get **50.5366, 40.7926, 76.4451**, and if you desaturate by 10%, it is **62.1907, 59.6285, 79.4665**.

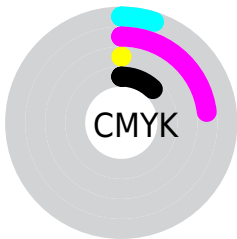
Distribution



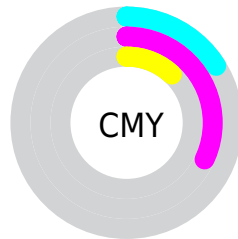
- Red (84%)
- Green (68%)
- Blue (88%)



- Red (84%)
- Yellow (68%)
- Blue (88%)



- Cyan (5%)
- Magenta (23%)
- Yellow (0%)
- Black (12%)



- Cyan (16%)
- Magenta (32%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9747, 49.4695, 77.8325 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 55.9747, 49.4695, 77.8325 by changing the saturation by 10% instead.

■ 55.9747, 49.4695,
77.8325

■ 55.9747, 49.4695,
77.8325

399.6727,
384.5877, 507.1106

■ 40.4196, 34.9921,
57.4208

■ 98.1076, 89.3884,
132.0977

■ 28.0515, 23.6568,
40.9315

125.4161,
115.5986, 166.7882

■ 18.5051, 15.0792,
27.9463

157.3731,
146.4885, 207.0754

■ 11.4151, 8.8750,
18.0465

194.3439,
182.4426, 253.3779

■ 6.4161, 4.6597,
10.8136

236.6939,
223.8451, 306.1141

■ 3.1428, 2.0490,
5.8290

284.7885,

■ 1.2297, 0.6357,

271.0806, 365.7026

2.6743

338.9930,
324.5333, 432.5619

■ 0.1296, 0.0000,
0.9304

■ 0.0000, 0.0000,
0.0000

■ 55.9747, 49.4695,
77.8325

■ 55.9747, 49.4695,
77.8325

■ 50.5366, 40.7926,
76.4451

■ 62.1907, 59.6285,
79.4665

■ 45.8348, 33.5186,
75.2888


■ 69.2141, 71.3311,
81.3552


■ 41.8310, 27.5702,
74.3517


■ 77.0786, 84.6431,
83.5101


■ 38.4813, 22.8602,
73.6191


■ 83.2074, 94.4101,
85.0723


 35.7363, 19.2908,
73.0749


 84.9351, 95.3007,
85.1532


 33.5392, 16.7492,
72.7001


 86.7132, 96.2174,
85.2364

 31.8216, 15.0989,
72.4721

 88.5421, 97.1602,
85.3220

 30.8412, 14.3292,
72.3752

 90.4222, 98.1294,
85.4100

 90.5907, 98.2163,
85.4179

Harmonies

Analogous

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



50.7400, 49.4695, 90.2781



55.9747, 49.4695, 77.8325



58.8906, 49.4695, 60.2860

Triad

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



55.9747, 49.4695, 77.8325



49.2112, 49.4695, 28.1174



37.1967, 49.4695, 64.9322

Complementary

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



55.9747, 49.4695, 77.8325



54.4774, 67.1831, 49.6339

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.



36.8612, 49.4695, 47.9149



55.9747, 49.4695, 77.8325



43.4851, 49.4695, 28.8540

Square

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



55.9747, 49.4695, 77.8325



54.7763, 49.4695, 33.1271



39.0739, 49.4695, 35.4029



40.0315, 49.4695, 81.8326

Rectangle

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



55.9747, 49.4695, 77.8325



58.9782, 49.4695, 49.0568



39.0739, 49.4695, 35.4029



36.7972, 49.4695, 58.9751

Sweetspot

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



55.9762, 49.4716, 77.8336



88.1183, 88.3623, 107.0190



48.2030, 49.0764, 78.1670



18.7385, 18.7090, 22.8735



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.



55.9762, 49.4716, 77.8336



70.5432, 59.6028, 102.3942



57.7710, 50.6066, 68.4402



13.9696, 13.7679, 17.3089



17.8788, 8.3122, 41.7105



1.3155, 0.6154, 2.8947

Inverse Universe

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



54.7535, 49.3996, 52.5505



68.7319, 59.5488, 62.5625



53.1159, 66.3180, 56.9422



13.8362, 13.7521, 14.9075



18.2866, 9.3816, 2.9089



1.3017, 0.6640, 0.3817

Previews

White Background



This preview shows how the XYZ color 55.9747, 49.4695, 77.8325 looks on a white background.

Color Contrast Check

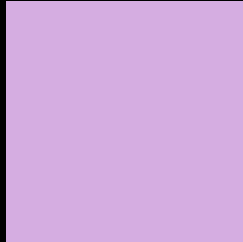
Large Text (above 18pt) WCAG AA × Fail

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 55.9747, 49.4695, 77.8325 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 55.9747, 49.4695, 77.8325

Background



This preview shows how black text looks on a background with the XYZ color 55.9747, 49.4695, 77.8325.



This preview shows how white text looks on a background with the XYZ color 55.9747, 49.4695,

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

55.9747, 49.4695, 77.8325

Protanopia

49.7361, 49.6951, 84.0615

Deuteranopia

50.7463, 49.7595, 76.7420



Tritanopia

51.7582, 49.5004, 57.2787

Trichromacy



Original Color

55.9747, 49.4695, 77.8325

Protanomaly

51.7931, 49.5797, 81.7030

Deuteranomaly

52.3396, 49.3578, 77.2894

Tritanomaly

53.3199, 49.5537, 64.5122

Monochromacy



Original Color

55.9747, 49.4695, 77.8325

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.4732, 50.7349, 63.5798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9747, 49.4695, 77.8325 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(213, 173, 225)` looks like.

```
.text, #text, p{  
    color:rgb(213, 173, 225)  
}
```

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(213, 173, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 173, 225) }
```

Border

The CSS property to change the border of an element to XYZ 55.9747, 49.4695, 77.8325 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(213, 173, 225) }
```


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

```
.border{ border-color:rgb(213, 173, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 173, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 173, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 173, 225);  
box-shadow:4px 4px 4px 4px rgb(213, 173,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9747, 49.4695, 77.8325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 173, 225) }
```

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

```
.background{ background-color: rgb(213,  
173, 225) }
```

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