

Converting Colors

XYZ(55.9432, 49.6344, 83.0473)

Have a look what the booklet for
XYZ(55.9432, 49.6344, 83.0473)
contains.

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Color

**XYZ(55.9960, 49.6536,
82.9767)**

Conversions

Conversions Part 1

Format	Color
Hex	D1AEE8
RGB	209, 174, 232
RGB Percent	82%, 68%, 91%
CMY	0.1804, 0.3176, 0.0902
CMYK	0.10, 0.25, 0.00, 0.09
HSL	276°, 56%, 80%
HSV	276°, 25%, 91%
XYZ	55.9960, 49.6536, 82.9767
YIQ	191.0770, 2.2420, 25.4580

Conversions

Conversions Part 2

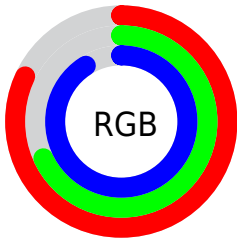
Format	Color
R _Y B	209, 174, 232
Decimal	13741800
CIE Lab	75.86, 23.22, -24.31
CIE LCh	76, 33.620, 313.693
Yxy	49.6536, 0.2969, 0.2632
Android (android.graphics.Color)	4291931880 (0xFFD1AEE8)
YUV	191.0770, 20.1750, 15.7185
Hunter-Lab	70.4653, 18.5326, -20.4915

Details

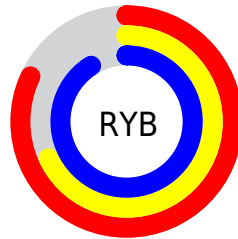
The XYZ color **55.9960, 49.6536, 82.9767** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.5243, 72.6408, 50.9305**, and the grayscale version is **49.4530, 52.0284, 56.6590**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **28.0003, 23.6794, 44.1691** is the 20% darker color. If you saturate the color by 10%, you get **49.3672, 40.1486, 81.4922**, and if you desaturate by 10%, it is **63.5523, 60.7884, 84.7284**.

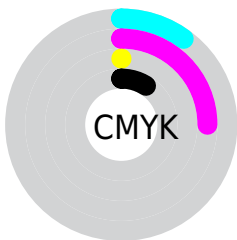
Distribution



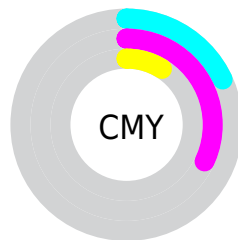
- Red (82%)
- Green (68%)
- Blue (91%)



- Red (82%)
- Yellow (68%)
- Blue (91%)



- Cyan (10%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9960, 49.6536, 82.9767 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 55.9960, 49.6536, 82.9767 by changing the saturation by 10% instead.

■ 55.9960, 49.6536,
82.9767

■ 55.9960, 49.6536,
82.9767

399.7517,
385.3098, 524.8778

■ 40.4367, 35.1382,
61.6304

■ 98.1386, 89.6614,
139.3918

■ 28.0649, 23.7694,
44.3003

125.4526,
115.9227, 175.2976

■ 18.5153, 15.1626,
30.5677

157.4155,
146.8680, 216.8938

■ 11.4225, 8.9336,
20.0142

194.3927,
182.8818, 264.5988

■ 6.4212, 4.6979,
12.2212

236.7496,
224.3485, 318.8312

■ 3.1459, 2.0711,
6.7701

284.8515,

■ 1.2314, 0.6483,

271.6525, 380.0094

3.2425

339.0637,
325.1781, 448.5521

■ 0.1309, 0.0000,
1.2198

■ 0.0000, 0.0000,
0.0000

■ 55.9960, 49.6536,
82.9767

■ 55.9960, 49.6536,
82.9767

■ 49.3672, 40.1486,
81.4922

■ 63.5523, 60.7884,
84.7284

■ 43.6190, 32.1863,
80.2583

■ 72.0708, 73.6218,
86.7566

■ 38.7070, 25.6808,
79.2615

■ 81.5901, 88.2263,
89.0738

■ 34.5806, 20.5349,
78.4857

■ 88.2626, 96.9035,
90.3970

■ 31.1832, 16.6394,
77.9129

■ 91.5656, 98.6063,
90.5516

■ 28.4493, 13.8672,
77.5219

■ 26.2990, 12.0632,
77.2870

■ 25.3806, 11.4015,
77.2077

Harmonies

Analogous

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



50.0978, 49.6536, 94.8911



55.9960, 49.6536, 82.9767



59.6990, 49.6536, 64.3197

Triad

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



55.9960, 49.6536, 82.9767



50.6510, 49.6536, 27.2939



36.4507, 49.6536, 62.6315

Complementary

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



55.9960, 49.6536, 82.9767



59.5243, 72.6408, 50.9305

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.



36.5703, 49.6536, 44.9615



55.9960, 49.6536, 82.9767



44.4051, 49.6536, 27.0370

Square

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



55.9960, 49.6536, 82.9767



56.4317, 49.6536, 33.5968



39.3668, 49.6536, 32.7946



39.0242, 49.6536, 81.5079

Rectangle

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



55.9960, 49.6536, 82.9767



60.2371, 49.6536, 51.8767



39.3668, 49.6536, 32.7946



36.1847, 49.6536, 56.3127

Sweetspot

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



55.9976, 49.6557, 82.9778



87.0612, 87.8174, 106.9696



52.0346, 54.8503, 84.1893



18.4934, 18.5826, 22.8620



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.



55.9976, 49.6557, 82.9778



65.0164, 55.2136, 101.8383



62.1711, 52.9319, 79.0366



14.4130, 14.3152, 18.1478



14.2358, 6.4047, 42.8691



1.1559, 0.5268, 3.1727

Inverse Universe

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



58.4944, 51.4612, 59.6756



68.7485, 57.8955, 67.7673



54.5318, 70.0003, 53.7128



14.6125, 14.4622, 16.1600



19.6055, 9.9764, 6.8177



1.4935, 0.7551, 0.7394

Previews

White Background



This preview shows how the XYZ color 55.9960, 49.6536, 82.9767 looks on a white background.

Color Contrast Check

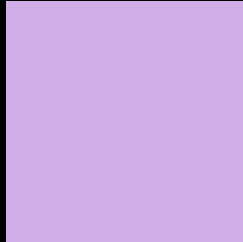
Large Text (above 18pt) WCAG AA × Fail

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 55.9960, 49.6536, 82.9767 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 55.9960, 49.6536, 82.9767

Background



This preview shows how black text looks on a background with the XYZ color 55.9960, 49.6536, 82.9767.



This preview shows how white text looks on a background with the XYZ color 55.9960, 49.6536,

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

55.9960, 49.6536, 82.9767

Protanopia

50.3107, 49.8734, 89.4130

Deuteranopia

50.9836, 49.7705, 81.7825



Tritanopia

51.0028, 49.6844, 58.5317

Trichromacy



Original Color

55.9960, 49.6536, 82.9767

Protanomaly

52.0596, 49.6013, 86.9509

Deuteranomaly

52.7374, 49.7495, 82.4244

Tritanomaly

52.4824, 49.3740, 66.4385

Monochromacy



Original Color

55.9960, 49.6536, 82.9767

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.7782, 51.1599, 65.5384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9960, 49.6536, 82.9767 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, 174, 232)` looks like.

```
.text, #text, p{  
    color:rgb(209, 174, 232)  
}
```

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, 174, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 174, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.9960, 49.6536, 82.9767 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, 174, 232) }
```


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

```
.border{ border-color:rgb(209, 174, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 174, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 174, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 174, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 174,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9960, 49.6536, 82.9767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 174, 232) }
```

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

```
.background{ background-color: rgb(209,  
174, 232) }
```

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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