

Converting Colors

XYZ(55.5115, 49.5378, 84.0648)

Have a look what the booklet for
XYZ(55.5115, 49.5378, 84.0648)
contains.

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Color

**XYZ(55.4916, 49.6649,
83.7524)**

Conversions

Conversions Part 1

Format	Color
Hex	CEAFE9
RGB	206, 175, 233
RGB Percent	81%, 69%, 91%
CMY	0.1921, 0.3137, 0.0863
CMYK	0.12, 0.25, 0.00, 0.09
HSL	272°, 57%, 80%
HSV	272°, 25%, 91%
XYZ	55.4916, 49.6649, 83.7524
YIQ	190.8810, -0.1420, 24.6100

Conversions

Conversions Part 2

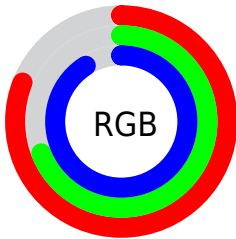
Format	Color
R _Y B	206, 175, 233
Decimal	13545449
CIE Lab	75.86, 21.93, -24.86
CIE LCh	76, 33.155, 311.415
Yxy	49.6649, 0.2937, 0.2629
Android (android.graphics.Color)	4291735529 (0xFFCEAFE9)
YUV	190.8810, 20.7647, 13.2594
Hunter-Lab	70.4733, 17.2249, -21.1305

Details

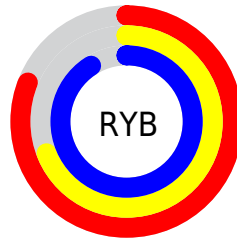
The XYZ color **55.4916, 49.6649, 83.7524** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.2354, 73.9307, 51.6022**, and the grayscale version is **49.3372, 51.9066, 56.5263**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **27.6578, 23.6727, 44.7065** is the 20% darker color. If you saturate the color by 10%, you get **48.4343, 39.8666, 82.2339**, and if you desaturate by 10%, it is **63.5423, 61.1393, 85.5436**.

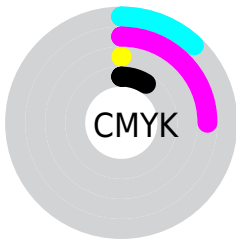
Distribution



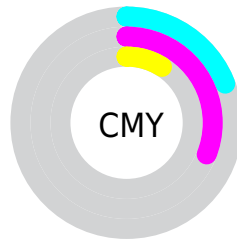
- Red (81%)
- Green (69%)
- Blue (91%)



- Red (81%)
- Yellow (69%)
- Blue (91%)



- Cyan (12%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)





- Cyan (19%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4916, 49.6649, 83.7524 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 55.4916, 49.6649, 83.7524 by changing the saturation by 10% instead.


 55.4916, 49.6649,
83.7524

 55.4916, 49.6649,
83.7524


397.8789,
385.3540, 527.5272

 40.0308, 35.1472,
62.2668

 97.4050, 89.6782,
140.4874

 27.7469, 23.7763,
44.8112


124.5883,
115.9426, 176.5739

 18.2744, 15.1678,
30.9668


156.4099,
146.8913, 218.3645

 11.2481, 8.9372,
20.3153

193.2351,
182.9088, 266.2777

 6.3025, 4.7002,
12.4381

235.4292,
224.3794, 320.7320

 3.0723, 2.0725,
6.9167

283.3577,

 1.1921, 0.6491,

271.6875, 382.1460

3.3324

337.3858,
325.2176, 450.9382

■ 0.1001, 0.0000,
1.2667

■ 0.0000, 0.0000,
0.0343

■ 55.4916, 49.6649,
83.7524

■ 55.4916, 49.6649,
83.7524

■ 48.4343, 39.8666,
82.2339

■ 63.5423, 61.1393,
85.5436

■ 42.3214, 31.6558,
80.9712

■ 72.6229, 74.3602,
87.6169

■ 37.1063, 24.9446,
79.9507

■ 82.7740, 89.4015,
89.9852

■ 32.7363, 19.6343,
79.1560

■ 89.6739, 97.6146,
91.2068

■ 29.1524, 15.6135,
78.5688

■ 91.7081, 98.6633,
91.3020

■ 26.2865, 12.7532,
78.1678

■ 24.0560, 10.8957,
77.9268

■ 23.0978, 10.2083,
77.8446

Harmonies

Analogous

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



49.5909, 49.6649, 94.6631



55.4916, 49.6649, 83.7524



59.3602, 49.6649, 65.6386

Triad

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



55.4916, 49.6649, 83.7524



51.0861, 49.6649, 27.8518



36.5095, 49.6649, 61.0799

Complementary

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



55.4916, 49.6649, 83.7524



61.2354, 73.9307, 51.6022

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.



36.8339, 49.6649, 43.9590



55.4916, 49.6649, 83.7524



44.8969, 49.6649, 27.1514

Square

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



55.4916, 49.6649, 83.7524



56.6679, 49.6649, 34.5790



39.7874, 49.6649, 32.3973



38.8589, 49.6649, 79.7960

Rectangle

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



55.4916, 49.6649, 83.7524



60.0794, 49.6649, 53.2426



39.7874, 49.6649, 32.3973



36.3153, 49.6649, 54.9194

Sweetspot

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



55.4932, 49.6670, 83.7535



86.6263, 87.5932, 106.9492



53.5251, 57.2713, 85.3250



18.3926, 18.5306, 22.8573



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.



55.4932, 49.6670, 83.7535



63.4003, 54.3804, 101.7627



63.3688, 53.7588, 82.6882



15.0001, 14.9453, 19.0164



13.2507, 5.8669, 44.1770



1.1514, 0.5179, 3.4741

Inverse Universe

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



59.5964, 52.2498, 62.8231



69.4120, 58.1609, 71.2613



54.7489, 70.5647, 52.2971



15.3573, 15.1708, 17.1666



20.6791, 10.4743, 9.3775



1.6720, 0.8418, 0.9900

Previews

White Background



This preview shows how the XYZ color 55.4916, 49.6649, 83.7524 looks on a white background.

Color Contrast Check

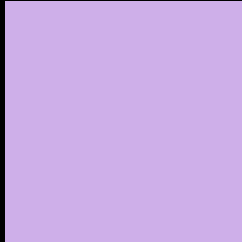
Large Text (above 18pt) WCAG AA × Fail

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 55.4916, 49.6649, 83.7524 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 55.4916, 49.6649, 83.7524

Background



This preview shows how black text looks on a background with the XYZ color 55.4916, 49.6649, 83.7524.



This preview shows how white text looks on a background with the XYZ color 55.4916, 49.6649,

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

55.4916, 49.6649, 83.7524

Protanopia

50.3107, 49.8734, 89.4130

Deuteranopia

50.8857, 49.7038, 82.5131



Tritanopia

50.5112, 49.7208, 59.1594

Trichromacy



Original Color

55.4916, 49.6649, 83.7524

Protanomaly

51.8175, 49.4765, 86.9396

Deuteranomaly

52.3726, 49.5451, 83.1468

Tritanomaly

51.9858, 49.4002, 67.1168

Monochromacy



Original Color

55.4916, 49.6649, 83.7524

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.2545, 50.8899, 65.5139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4916, 49.6649, 83.7524 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(206, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(206, 175, 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(206, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 175, 233) }
```

Border

The CSS property to change the border of an element to XYZ 55.4916, 49.6649, 83.7524 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(206, 175, 233) }
```


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

```
.border{ border-color:rgb(206, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(206, 175,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4916, 49.6649, 83.7524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 175, 233) }
```

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

```
.background{ background-color: rgb(206,  
175, 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](#).

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