

Converting Colors

XYZ(55.9310, 49.9581, 83.6227)

Have a look what the booklet for
XYZ(55.9310, 49.9581, 83.6227)
contains.

XYZ(56.0504, 49.9530, 83.7785)	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(56.0504, 49.9530,
83.7785)**

Conversions

Conversions Part 1

Format	Color
Hex	D0AFE9
RGB	208, 175, 233
RGB Percent	82%, 69%, 91%
CMY	0.1843, 0.3137, 0.0863
CMYK	0.11, 0.25, 0.00, 0.09
HSL	274°, 57%, 80%
HSV	274°, 25%, 91%
XYZ	56.0504, 49.9530, 83.7785
YIQ	191.4790, 1.0500, 25.0340

Conversions

Conversions Part 2

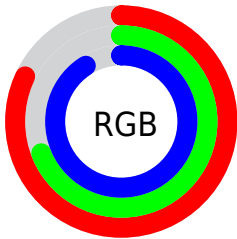
Format	Color
R _{YB}	208, 175, 233
Decimal	13676521
CIE Lab	76.04, 22.57, -24.58
CIE LCh	76, 33.366, 312.557
Yxy	49.9530, 0.2953, 0.2632
Android (android.graphics.Color)	4291866601 (0xFFD0AFE9)
YUV	191.4790, 20.4699, 14.4889
Hunter-Lab	70.6774, 17.8731, -20.8060

Details

The XYZ color **56.0504, 49.9530, 83.7785** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.6978, 73.6535, 51.5771**, and the grayscale version is **49.6850, 52.2725, 56.9248**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **28.0322, 23.8657, 44.7241** is the 20% darker color. If you saturate the color by 10%, you get **49.1663, 40.2440, 82.2681**, and if you desaturate by 10%, it is **63.8989, 61.3232, 85.5603**.

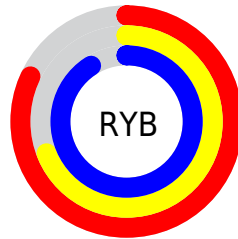
Distribution



Red (82%)

Green (69%)

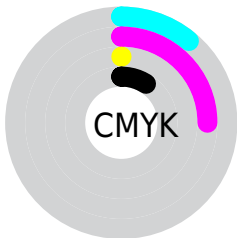
Blue (91%)



Red (82%)

Yellow (69%)

Blue (91%)

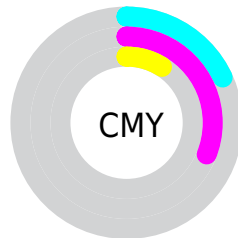


Cyan (11%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (18%)


Magenta (31%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0504, 49.9530, 83.7785 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 56.0504, 49.9530, 83.7785 by changing the saturation by 10% instead.


 56.0504, 49.9530,
83.7785

 56.0504, 49.9530,
83.7785


399.9534,
386.4821, 527.6162

 40.4805, 35.3761,
62.2882

 98.2176, 90.1052,
140.5243

 28.0993, 23.9527,
44.8284

125.5457,
116.4493, 176.6168

 18.5413, 15.2985,
30.9803


157.5238,
147.4846, 218.4139

 11.4414, 9.0292,
20.3255

194.5174,
183.5954, 266.3341

 6.4340, 4.7602,
12.4455

236.8918,
225.1661, 320.7959

 3.1539, 2.1073,
6.9216

285.0124,

 1.2357, 0.6687,

272.5813, 382.2178

3.3354

339.2444,
326.2251, 451.0184

■ 0.1342, 0.0000,
1.2683

■ 0.0000, 0.0000,
0.0356

■ 56.0504, 49.9530,
83.7785

■ 56.0504, 49.9530,
83.7785

■ 49.1663, 40.2440,
82.2681

■ 63.8989, 61.3232,
85.5603

■ 43.1984, 32.1079,
81.0122

■ 72.7475, 74.4245,
87.6227

■ 38.1011, 25.4575,
79.9972

■ 82.6359, 89.3304,
89.9787

■ 33.8228, 20.1944,
79.2068

■ 89.2417, 97.3917,
91.1865

■ 30.3052, 16.2078,
78.6227

■ 91.7081, 98.6633,
91.3019

■ 27.4814, 13.3693,
78.2237

■ 25.2700, 11.5215,
77.9836

■ 24.3130, 10.8347,
77.9014

Harmonies

Analogous

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



50.1311, 49.9530, 95.2212



56.0504, 49.9530, 83.7785



59.8490, 49.9530, 65.3366

Triad

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



56.0504, 49.9530, 83.7785



51.1612, 49.9530, 27.7861



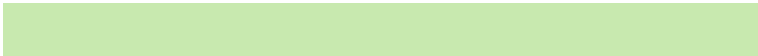
36.7195, 49.9530, 62.1953

Complementary

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



56.0504, 49.9530, 83.7785



60.6978, 73.6535, 51.5771

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.



36.9427, 49.9530, 44.7405



56.0504, 49.9530, 83.7785



44.9218, 49.9530, 27.3050

Square

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



56.0504, 49.9530, 83.7785



56.8610, 49.9530, 34.3301



39.8290, 49.9530, 32.8304



39.1900, 49.9530, 81.0498

Rectangle

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



56.0504, 49.9530, 83.7785



60.4801, 49.9530, 52.8743



39.8290, 49.9530, 32.8304



36.4886, 49.9530, 55.9351

Sweetspot

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



56.0520, 49.9551, 83.7796



86.8434, 87.7051, 106.9594



53.0741, 56.3694, 85.1746



18.4429, 18.5566, 22.8597



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.



56.0520, 49.9551, 83.7796



64.2021, 54.7938, 101.8002



63.0971, 53.6501, 81.2572



15.0516, 14.9719, 19.0188



13.9403, 6.2224, 44.2093



1.2045, 0.5452, 3.4766

Inverse Universe

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



59.3611, 52.1557, 61.5839



69.0775, 58.0271, 69.4999



54.9430, 70.6423, 53.3189



15.3350, 15.1619, 17.0495



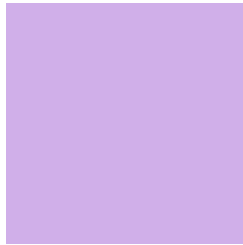
20.4443, 10.3804, 8.1413



1.6528, 0.8341, 0.8888

Previews

White Background



This preview shows how the XYZ color 56.0504, 49.9530, 83.7785 looks on a white background.

Color Contrast Check

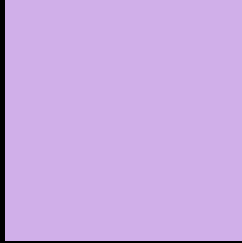
Large Text (above 18pt) WCAG AA × Fail

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 56.0504, 49.9530, 83.7785 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 56.0504, 49.9530, 83.7785

Background



This preview shows how black text looks on a background with the XYZ color 56.0504, 49.9530, 83.7785.



This preview shows how white text looks on a background with the XYZ color 56.0504, 49.9530,

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

56.0504, 49.9530, 83.7785

Protanopia

50.6697, 50.3529, 90.2676

Deuteranopia

51.3315, 50.2408, 82.5933



Tritanopia

51.0489, 49.9980, 59.1846

Trichromacy



Original Color

56.0504, 49.9530, 83.7785

Protanomaly

52.4103, 50.0680, 87.7907

Deuteranomaly

53.0817, 50.2114, 83.2380

Tritanomaly

52.5306, 49.6810, 67.1423

Monochromacy



Original Color

56.0504, 49.9530, 83.7785

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.5155, 51.0245, 65.5261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0504, 49.9530, 83.7785 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(208, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 175, 233) }
```

Border

The CSS property to change the border of an element to XYZ 56.0504, 49.9530, 83.7785 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(208, 175, 233) }
```


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

```
.border{ border-color:rgb(208, 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(208, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(208, 175,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0504, 49.9530, 83.7785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 175, 233) }
```

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

```
.background{ background-color: rgb(208,  
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](#).

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