

Converting Colors

XYZ(56.8276, 49.6564, 63.7179)

Have a look what the booklet for
XYZ(56.8276, 49.6564, 63.7179)
contains.

XYZ(56.8260, 49.6542, 63.7159)	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(56.8260, 49.6542,
63.7159)**

Conversions

Conversions Part 1

Format	Color
Hex	E2ABCC
RGB	226, 171, 204
RGB Percent	89%, 67%, 80%
CMY	0.1137, 0.3294, 0.2000
CMYK	0.00, 0.24, 0.10, 0.11
HSL	324°, 49%, 78%
HSV	324°, 24%, 89%
XYZ	56.8260, 49.6542, 63.7159
YIQ	191.2070, 22.1870, 21.9230

Conversions

Conversions Part 2

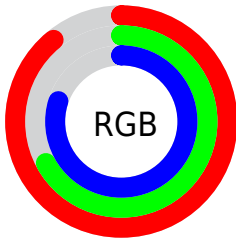
Format	Color
R _Y B	226, 171, 204
Decimal	14855116
CIE Lab	75.86, 25.28, -8.91
CIE LCh	76, 26.809, 340.583
Yxy	49.6542, 0.3339, 0.2917
Android (android.graphics.Color)	4293045196 (0xFFE2ABCC)
YUV	191.2070, 6.3069, 30.5135
Hunter-Lab	70.4657, 20.6335, -4.2847

Details

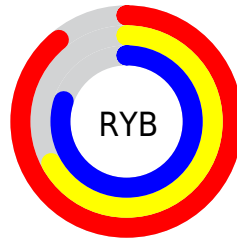
The XYZ color **56.8260, 49.6542, 63.7159** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.6186, 66.9022, 60.5425**, and the grayscale version is **49.5981, 52.1810, 56.8252**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **28.5610, 23.7049, 31.9243** is the 20% darker color. If you saturate the color by 10%, you get **51.8638, 41.4144, 56.8665**, and if you desaturate by 10%, it is **62.5840, 59.3833, 71.1422**.

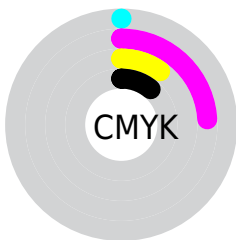
Distribution



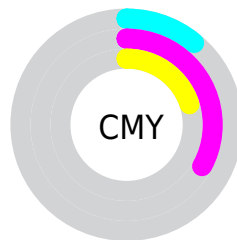
- Red (89%)
- Green (67%)
- Blue (80%)



- Red (89%)
- Yellow (67%)
- Blue (80%)



- Cyan (0%)
- Magenta (24%)
- Yellow (10%)
- Black (11%)



- Cyan (11%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8260, 49.6542, 63.7159 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 56.8260, 49.6542, 63.7159 by changing the saturation by 10% instead.

■ 56.8260, 49.6542,
63.7159

■ 56.8260, 49.6542,
63.7159

402.8217,
385.3121, 456.3423

■ 41.1052, 35.1387,
45.9759

■ 99.3441, 89.6623,
111.7972

■ 28.5893, 23.7697,
31.8783

126.8720,
115.9237, 142.9756

■ 18.9131, 15.1629,
21.0045

159.0664,
146.8692, 179.4705

■ 11.7111, 8.9338,
12.9360

196.2925,
182.8833, 221.7006

■ 6.6181, 4.6980,
7.2543

238.9157,
224.3501, 270.0842

■ 3.2686, 2.0712,
3.5408

287.3014,

■ 1.2974, 0.6484,

271.6543, 325.0400

1.3770

341.8150,
325.1802, 386.9865

■ 0.1812, 0.0000,
0.1237

■ 0.0000, 0.0000,
0.0000

■ 56.8260, 49.6542,
63.7159

■ 56.8260, 49.6542,
63.7159

■ 51.8638, 41.4144,
56.8665

■ 62.5840, 59.3833,
71.1422

■ 47.6547, 34.5826,
50.5731

■ 69.1688, 70.6644,
79.1592

■ 44.1587, 29.0797,
44.8173

■ 76.6152, 83.5646,
87.7841

■ 41.3303, 24.8163,
39.5785

■ 82.8769, 93.9899,
96.3396

■ 39.1181, 21.6917,
34.8340

■ 84.2551, 94.5412,
103.5975

■ 37.4628, 19.5891,
30.5582

■ 85.1743, 94.9089,
108.4378

■ 36.2924, 18.3664,
26.7210

■ 35.7794, 17.9349,
24.7175

Harmonies

Analogous

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



53.7102, 49.6542, 77.7124



56.8260, 49.6542, 63.7159



57.2597, 49.6542, 49.1778

Triad

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



56.8260, 49.6542, 63.7159



45.4560, 49.6542, 31.3179



40.2820, 49.6542, 73.9653

Complementary

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



56.8260, 49.6542, 63.7159



53.6186, 66.9022, 60.5425

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.



38.3844, 49.6542, 59.2657



56.8260, 49.6542, 63.7159



41.2289, 49.6542, 35.7790

Square

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



56.8260, 49.6542, 63.7159



50.4542, 49.6542, 32.0848



38.7184, 49.6542, 45.4414



44.0789, 49.6542, 84.3131

Rectangle

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



56.8260, 49.6542, 63.7159



55.9385, 49.6542, 41.2645



38.7184, 49.6542, 45.4414



39.4134, 49.6542, 69.2716

Sweetspot

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



56.8275, 49.6564, 63.7169



88.4891, 88.6839, 101.1465



50.2847, 45.9568, 78.1724



18.8248, 18.7837, 21.5104



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.



56.8275, 49.6564, 63.7169



71.4217, 59.7872, 79.3091



53.8148, 48.4514, 47.8524



14.0508, 13.8379, 16.0375



20.4721, 10.2559, 14.4179



1.4629, 0.7284, 1.2303

Inverse Universe

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



56.8275, 49.6564, 63.7169



71.4217, 59.7872, 79.3091



56.9771, 68.2457, 78.2285



14.0508, 13.8379, 16.0375



20.4721, 10.2559, 14.4179



1.4629, 0.7284, 1.2303

Previews

White Background



This preview shows how the XYZ color 56.8260, 49.6542, 63.7159 looks on a white background.

Color Contrast Check

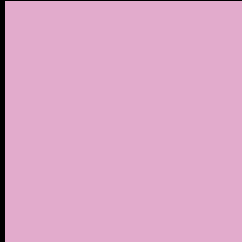
Large Text (above 18pt) WCAG AA × Fail

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 56.8260, 49.6542, 63.7159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

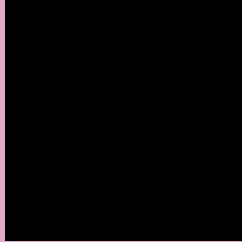
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.8260, 49.6542, 63.7159

Background



This preview shows how black text looks on a background with the XYZ color 56.8260, 49.6542, 63.7159.



This preview shows how white text looks on a background with the XYZ color 56.8260, 49.6542,

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

56.8260, 49.6542, 63.7159

Protanopia

49.0976, 49.9892, 70.0119

Deuteranopia

50.9418, 49.8623, 62.8166



Tritanopia

54.8462, 49.7073, 53.7175

Trichromacy



Original Color

56.8260, 49.6542, 63.7159

Protanomaly

51.7099, 49.8430, 67.8680

Deuteranomaly

52.9944, 49.7079, 63.3014

Tritanomaly

55.6205, 49.7449, 57.1223

Monochromacy



Original Color

56.8260, 49.6542, 63.7159

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

52.0061, 51.1039, 59.3476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8260, 49.6542, 63.7159 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(226, 171, 204)` looks like.

```
.text, #text, p{  
    color:rgb(226, 171, 204)  
}
```

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(226, 171, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 171, 204) }
```

Border

The CSS property to change the border of an element to XYZ 56.8260, 49.6542, 63.7159 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(226, 171, 204) }
```


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

```
.border{ border-color:rgb(226, 171, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 171, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 171, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 171, 204); box-shadow:4px 4px 4px 4px rgb(226, 171, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8260, 49.6542, 63.7159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 171, 204) }
```

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

```
.background{ background-color: rgb(226,  
171, 204) }
```

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