

Converting Colors

XYZ(63.6001, 53.8479, 79.9423)

Have a look what the booklet for
XYZ(63.6001, 53.8479, 79.9423)
contains.

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Color

**XYZ(63.4561, 53.8682,
79.7261)**

Conversions

Conversions Part 1

Format	Color
Hex	EBAFE3
RGB	235, 175, 227
RGB Percent	92%, 69%, 89%
CMY	0.0784, 0.3137, 0.1098
CMYK	0.00, 0.26, 0.03, 0.08
HSL	308°, 60%, 80%
HSV	308°, 26%, 92%
XYZ	63.4561, 53.8682, 79.7261
YIQ	198.8680, 19.0680, 28.8920

Conversions

Conversions Part 2

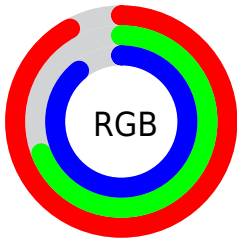
Format	Color
R_{YB}	235, 175, 227
Decimal	15445987
CIE _{Lab}	78.38, 30.17, -17.53
CIE _{LCh}	78, 34.893, 329.838
Yxy	53.8682, 0.3220, 0.2734
Android (android.graphics.Color)	4293636067 (0xFFEBAFE3)
YUV	198.8680, 13.8691, 31.6878
Hunter-Lab	73.3950, 25.8870, -13.0280

Details

The XYZ color **63.4561, 53.8682, 79.7261** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.9370, 71.9513, 55.7428**, and the grayscale version is **54.1166, 56.9349, 62.0021**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **32.9963, 26.4813, 42.4020** is the 20% darker color. If you saturate the color by 10%, you get **58.8461, 45.3332, 76.0753**, and if you desaturate by 10%, it is **68.8732, 64.0028, 83.6859**.

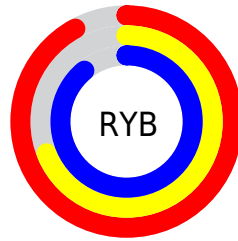
Distribution



Red (92%)

Green (69%)

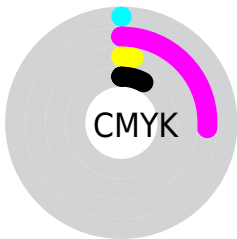
Blue (89%)



Red (92%)

Yellow (69%)

Blue (89%)

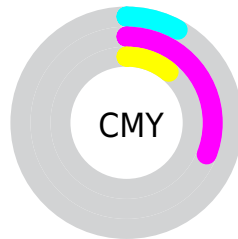


Cyan (0%)

Magenta (26%)

Yellow (3%)

Black (8%)



Cyan (8%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4561, 53.8682, 79.7261 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 63.4561, 53.8682, 79.7261 by changing the saturation by 10% instead.

63.4561, 53.8682,
79.7261

63.4561, 53.8682,
79.7261

426.8563,
401.6072, 513.6917

46.4703, 38.4963,
58.9681

108.9054, 95.8807,
134.7885

32.8233, 26.3681,
42.1676

138.0996,
123.2901, 169.9300

22.1497, 17.0992,
28.9060

172.0940,
155.4808, 210.7031

14.0842, 10.3053,
18.7648

211.2539,
192.8371, 257.5264

8.2613, 5.6018,
11.3253

255.9448,
235.7435, 310.8183

4.3158, 2.6045,
6.1692

306.5319,

1.8823, 0.9289,

284.5844, 370.9975

2.8778

363.3806,
339.7442, 438.4825

■ 0.5665, 0.0000,
1.0326

■ 0.0000, 0.0000,
0.0000

■ 63.4561, 53.8682,
79.7261

■ 63.4561, 53.8682,
79.7261

■ 58.8461, 45.3332,
76.0753

■ 68.8732, 64.0028,
83.6859

■ 54.9969, 38.3084,
72.7162

■ 75.1306, 75.8066,
87.9644

■ 51.8653, 32.7060,
69.6347

■ 82.2660, 89.3533,
92.5747

■ 49.4014, 28.4269,
66.8140

■ 85.6808, 95.4462,
95.9843

47.5492, 25.3587,
64.2352

86.1493, 95.6336,
98.4514

46.2432, 23.3706,
61.8763

86.6259, 95.8242,
100.9610

45.4028, 22.3015,
59.7102

87.1106, 96.0181,
103.5134

45.1203, 22.0059,
58.7851

87.6034, 96.2152,
106.1087

88.0715, 96.4024,
108.5734

Harmonies

Analogous

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



58.0386, 53.8682, 97.8460



63.4561, 53.8682, 79.7261



65.5364, 53.8682, 58.7600

Triad

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



63.4561, 53.8682, 79.7261



51.2374, 53.8682, 28.4356



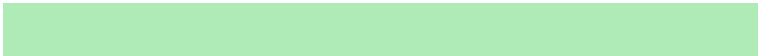
40.6016, 53.8682, 79.4997

Complementary

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



63.4561, 53.8682, 79.7261



55.9370, 71.9513, 55.7428

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.



39.1237, 53.8682, 58.5467



63.4561, 53.8682, 79.7261



44.9211, 53.8682, 31.6352

Square

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



63.4561, 53.8682, 79.7261



58.1087, 53.8682, 31.7059



40.6335, 53.8682, 41.6652



44.8620, 53.8682, 97.6961

Rectangle

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



63.4561, 53.8682, 79.7261



64.6191, 53.8682, 46.7584



40.6335, 53.8682, 41.6652



39.7807, 53.8682, 72.4116

Sweetspot

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



63.4577, 53.8706, 79.7272



88.4490, 87.4939, 104.5542



49.8562, 46.7282, 84.9901



18.6823, 18.2562, 22.2101



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.



63.4577, 53.8706, 79.7272



73.1544, 58.8506, 93.4572



59.6710, 52.3559, 59.7864



15.6234, 15.2772, 18.5679



25.1456, 12.2609, 32.8979



1.9985, 0.9724, 2.7096

Inverse Universe

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



63.4577, 53.8706, 79.7272



73.1544, 58.8506, 93.4572



59.3998, 73.3364, 73.9774



15.6234, 15.2772, 18.5679



25.1456, 12.2609, 32.8979



1.9985, 0.9724, 2.7096

Previews

White Background



This preview shows how the XYZ color 63.4561, 53.8682, 79.7261 looks on a white background.

Color Contrast Check

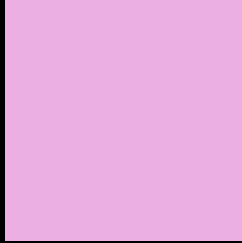
Large Text (above 18pt) WCAG AA × Fail

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 63.4561, 53.8682, 79.7261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

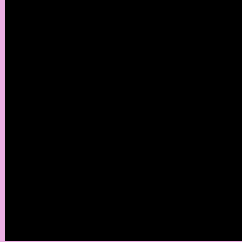
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4561, 53.8682, 79.7261

Background



This preview shows how black text looks on a background with the XYZ color 63.4561, 53.8682, 79.7261.



This preview shows how white text looks on a background with the XYZ color 63.4561, 53.8682,

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

63.4561, 53.8682, 79.7261

Protanopia

54.1968, 54.1216, 89.2514

Deuteranopia

55.2053, 53.9191, 78.0188



Tritanopia

59.3292, 53.9768, 58.9213

Trichromacy



Original Color

63.4561, 53.8682, 79.7261



Protanomaly

57.1829, 53.8125, 85.9702



Deuteranomaly

57.8825, 53.7143, 78.5513



Tritanomaly

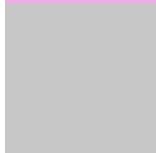
60.6613, 53.9010, 66.2382

Monochromacy



Original Color

63.4561, 53.8682, 79.7261



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

57.0735, 55.4274, 68.0121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4561, 53.8682, 79.7261 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(235, 175, 227)` looks like.

```
.text, #text, p{  
    color:rgb(235, 175, 227)  
}
```

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(235, 175, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 175, 227) }
```

Border

The CSS property to change the border of an element to XYZ 63.4561, 53.8682, 79.7261 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(235, 175, 227) }
```


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

```
.border{ border-color:rgb(235, 175, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 175, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 175, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 175, 227);  
box-shadow:4px 4px 4px 4px rgb(235, 175,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4561, 53.8682, 79.7261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 175, 227) }
```

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

```
.background{ background-color: rgb(235,  
175, 227) }
```

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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