

Converting Colors

XYZ(64.4764, 56.6813, 77.6972)

Have a look what the booklet for
XYZ(64.4764, 56.6813, 77.6972)
contains.

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Color

**XYZ(64.5137, 56.8569,
77.3863)**

Conversions

Conversions Part 1

Format	Color
Hex	EBB7DF
RGB	235, 183, 223
RGB Percent	92%, 72%, 87%
CMY	0.0784, 0.2823, 0.1255
CMYK	0.00, 0.22, 0.05, 0.08
HSL	314°, 57%, 82%
HSV	314°, 22%, 92%
XYZ	64.5137, 56.8569, 77.3863
YIQ	203.1080, 18.1520, 23.4640

Conversions

Conversions Part 2

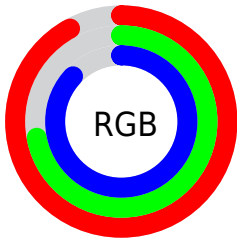
Format	Color
R _Y B	235, 183, 223
Decimal	15448031
CIE Lab	80.10, 25.19, -12.80
CIE LCh	80, 28.258, 333.076
Yxy	56.8569, 0.3246, 0.2861
Android (android.graphics.Color)	4293638111 (0xFFEBB7DF)
YUV	203.1080, 9.8068, 27.9693
Hunter-Lab	75.4035, 20.7648, -8.0666

Details

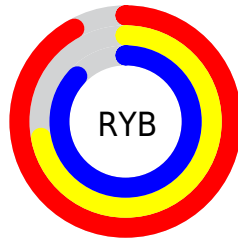
The XYZ color **64.5137, 56.8569, 77.3863** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.0894, 73.4256, 62.6912**, and the grayscale version is **56.7664, 59.7227, 65.0380**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **33.6409, 28.3761, 40.7499** is the 20% darker color. If you saturate the color by 10%, you get **59.3462, 47.6727, 72.1141**, and if you desaturate by 10%, it is **70.5172, 67.6739, 83.0540**.

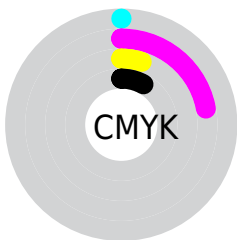
Distribution



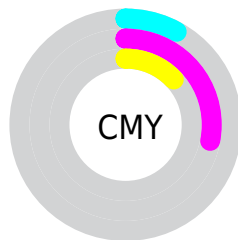
- Red (92%)
- Green (72%)
- Blue (87%)



- Red (92%)
- Yellow (72%)
- Blue (87%)



- Cyan (0%)
- Magenta (22%)
- Yellow (5%)
- Black (8%)



- Cyan (8%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5137, 56.8569, 77.3863 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 64.5137, 56.8569, 77.3863 by changing the saturation by 10% instead.

64.5137, 56.8569,
77.3863

64.5137, 56.8569,
77.3863

430.6152,
412.9129, 505.5527

47.3301, 40.8904,
57.0565

110.4200,
100.2564, 131.4626

33.5057, 28.2334,
40.6410

139.8735,
128.4581, 166.0463

22.6752, 18.5017,
27.7211

174.1475,
161.5070, 206.2183

14.4733, 11.3108,
17.8783

213.6076,
199.7874, 252.3972

8.5344, 6.2763,
10.6941

258.6191,
243.6838, 305.0015

4.4935, 3.0138,
5.7500

309.5473,

1.9849, 1.1389,

293.5806, 364.4499

2.6273

366.7575,
349.8622, 431.1608

■ 0.6255, 0.0110,
0.9065

■ 0.0000, 0.0000,
0.0000

■ 64.5137, 56.8569,
77.3863

■ 64.5137, 56.8569,
77.3863

■ 59.3462, 47.6727,
72.1141

■ 70.5172, 67.6739,
83.0540

■ 54.9693, 40.0334,
67.2194

■ 77.3892, 80.1910,
89.1272

■ 51.3410, 33.8543,
62.6875

■ 85.1667, 94.4809,
95.6199

■ 48.4129, 29.0395,
58.5015

■ 86.4562, 95.7563,
100.0686

■ 46.1313, 25.4814,
54.6421

■ 87.2953, 96.0919,
104.4869

■ 44.4341, 23.0565,
51.0876

■ 88.0713, 96.4024,
108.5734

■ 43.2467, 21.6158,
47.8120

■ 42.5778, 20.9889,
45.3973

Harmonies

Analogous

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



60.3041, 56.8569, 92.4229



64.5137, 56.8569, 77.3863



65.8541, 56.8569, 60.2236

Triad

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



64.5137, 56.8569, 77.3863



53.4496, 56.8569, 35.3593



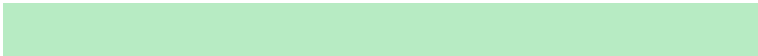
45.2929, 56.8569, 80.8525

Complementary

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



64.5137, 56.8569, 77.3863



59.0894, 73.4256, 62.6912

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.



43.7321, 56.8569, 63.6225



64.5137, 56.8569, 77.3863



48.2269, 56.8569, 38.9782

Square

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



64.5137, 56.8569, 77.3863



59.2051, 56.8569, 37.7431



44.7674, 56.8569, 48.6440



49.1858, 56.8569, 94.6606

Rectangle

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



64.5137, 56.8569, 77.3863



64.8676, 56.8569, 50.3042



44.7674, 56.8569, 48.6440



44.4911, 56.8569, 75.1705

Sweetspot

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



64.5154, 56.8594, 77.3875



88.9614, 88.8728, 103.6334



54.2480, 51.3728, 85.6548



18.9344, 18.8275, 22.0871



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.



64.5154, 56.8594, 77.3875



74.4268, 62.6796, 89.9224



61.3588, 55.5968, 60.7649



15.5575, 15.2508, 18.2208



23.7474, 11.7017, 25.5351



1.9009, 0.9333, 2.1953

Inverse Universe

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



64.5154, 56.8594, 77.3875



74.4268, 62.6796, 89.9224



62.1924, 74.6668, 79.0314



15.5575, 15.2508, 18.2208



23.7474, 11.7017, 25.5351



1.9009, 0.9333, 2.1953

Previews

White Background



This preview shows how the XYZ color 64.5137, 56.8569, 77.3863 looks on a white background.

Color Contrast Check

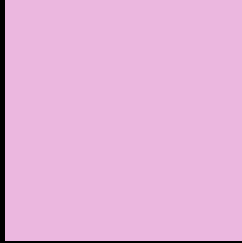
Large Text (above 18pt) WCAG AA × Fail

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 64.5137, 56.8569, 77.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

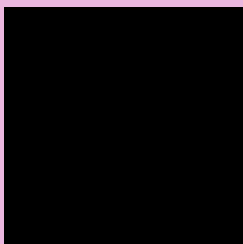
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5137, 56.8569, 77.3863

Background



This preview shows how black text looks on a background with the XYZ color 64.5137, 56.8569, 77.3863.



This preview shows how white text looks on a background with the XYZ color 64.5137, 56.8569,

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

64.5137, 56.8569, 77.3863

Protanopia

56.2700, 56.9652, 84.3736

Deuteranopia

58.3554, 57.2139, 76.3743



Tritanopia

61.5917, 56.9135, 62.9975

Trichromacy



Original Color

64.5137, 56.8569, 77.3863

Protanomaly

59.0049, 56.7663, 81.9758

Deuteranomaly

60.5117, 57.0063, 76.9212

Tritanomaly

62.6718, 57.0449, 68.0292

Monochromacy



Original Color

64.5137, 56.8569, 77.3863

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

59.3971, 58.5801, 69.1493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5137, 56.8569, 77.3863 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, 183, 223)` looks like.

```
.text, #text, p{  
    color:rgb(235, 183, 223)  
}
```

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, 183, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 183, 223) }
```

Border

The CSS property to change the border of an element to XYZ 64.5137, 56.8569, 77.3863 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, 183, 223) }
```


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

```
.border{ border-color:rgb(235, 183, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 183, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 183, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 183, 223);  
box-shadow:4px 4px 4px 4px rgb(235, 183,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5137, 56.8569, 77.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 183, 223) }
```

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

```
.background{ background-color: rgb(235,  
183, 223) }
```

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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