

Converting Colors

XYZ(63.5886, 57.3117, 88.8337)

Have a look what the booklet for
XYZ(63.5886, 57.3117, 88.8337)
contains.

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Color

**XYZ(63.6344, 57.4017,
88.6147)**

Conversions

Conversions Part 1

Format	Color
Hex	DFBBEE
RGB	223, 187, 238
RGB Percent	87%, 73%, 93%
CMY	0.1255, 0.2666, 0.0667
CMYK	0.06, 0.21, 0.00, 0.07
HSL	282°, 60%, 83%
HSV	282°, 21%, 93%
XYZ	63.6344, 57.4017, 88.6147
YIQ	203.5780, 5.0850, 23.4930

Conversions

Conversions Part 2

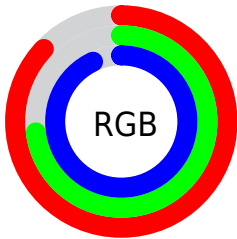
Format	Color
R _Y B	223, 187, 238
Decimal	14662638
CIE Lab	80.41, 21.87, -20.51
CIE LCh	80, 29.985, 316.834
Yxy	57.4017, 0.3035, 0.2738
Android (android.graphics.Color)	4292852718 (0xFFDFBBEE)
YUV	203.5780, 16.9700, 17.0331
Hunter-Lab	75.7639, 17.3360, -16.3118

Details

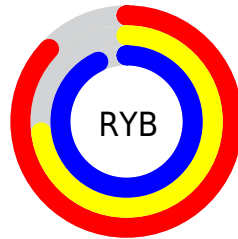
The XYZ color **63.6344, 57.4017, 88.6147** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.9033, 77.2950, 58.5679**, and the grayscale version is **57.0240, 59.9937, 65.3332**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **32.9049, 28.6431, 48.0504** is the 20% darker color. If you saturate the color by 10%, you get **56.8858, 47.0395, 86.9712**, and if you desaturate by 10%, it is **71.3125, 69.4882, 90.5438**.

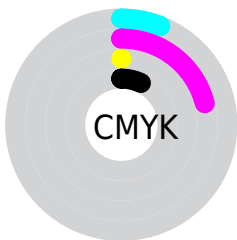
Distribution



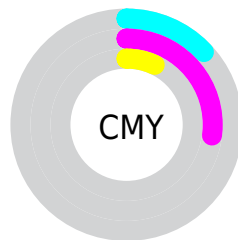
- Red (87%)
- Green (73%)
- Blue (93%)



- Red (87%)
- Yellow (73%)
- Blue (93%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)





- Cyan (13%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6344, 57.4017, 88.6147 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 63.6344, 57.4017, 88.6147 by changing the saturation by 10% instead.


 63.6344, 57.4017,
88.6147

 63.6344, 57.4017,
88.6147


427.4914,
414.9528, 543.9675

 46.6152, 41.3278,
66.2650


 109.1609,
101.0511, 147.3313

 32.9382, 28.5753,
48.0297


138.3990,
129.3954, 184.5353

 22.2381, 18.7598,
33.4903


172.4407,
162.5986, 227.5279

 14.1496, 11.4969,
22.2281

211.6514,
201.0452, 276.7275

 8.3072, 6.4021,
13.8247

256.3964,
245.1196, 332.5527

 4.3456, 3.0911,
7.8615

307.0412,

 1.8994, 1.1795,

295.2060, 395.4221

3.9199

363.9511,
351.6890, 465.7542

■ 0.5765, 0.0448,
1.5815

■ 0.0000, 0.0000,
0.2776

■ 63.6344, 57.4017,
88.6147

■ 63.6344, 57.4017,
88.6147

■ 56.8858, 47.0395,
86.9712

■ 71.3125, 69.4882,
90.5438

■ 51.0190, 38.3113,
85.5957

■ 79.9540, 83.3689,
92.7676

■ 45.9901, 31.1297,
84.4745

■ 88.5019, 96.9267,
94.9340

■ 41.7490, 25.3958,
83.5913

■ 90.9775, 98.2029,
95.0499

■ 38.2394, 20.9994,
82.9277

■ 92.4328, 98.9531,
95.1180

■ 35.3973, 17.8136,
82.4626

■ 33.1458, 15.6865,
82.1707

■ 31.5810, 14.4978,
82.0237

Harmonies

Analogous

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



58.0509, 57.4017, 100.7888



63.6344, 57.4017, 88.6147



66.8859, 57.4017, 70.5264

Triad

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



63.6344, 57.4017, 88.6147



57.2933, 57.4017, 35.0113



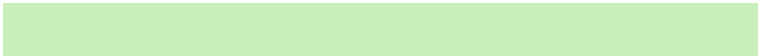
44.0167, 57.4017, 72.8169

Complementary

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



63.6344, 57.4017, 88.6147



63.9033, 77.2950, 58.5679

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.



43.8474, 57.4017, 55.1082



63.6344, 57.4017, 88.6147



51.2092, 57.4017, 35.3933

Square

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



63.6344, 57.4017, 88.6147



63.0441, 57.4017, 40.9333



46.3896, 57.4017, 42.0985



46.8709, 57.4017, 90.5604

Rectangle

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



63.6344, 57.4017, 88.6147



67.1458, 57.4017, 58.5617



46.3896, 57.4017, 42.0985



43.6518, 57.4017, 66.6124

Sweetspot

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



63.6362, 57.4041, 88.6160



88.7256, 89.7802, 107.2607



57.1194, 59.1223, 89.2911



18.8490, 18.9887, 22.9217



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.



63.6362, 57.4041, 88.6160



70.6092, 61.2336, 102.7055



67.0078, 59.3105, 81.1711



15.9751, 15.7844, 19.9263



17.7543, 8.1581, 45.7668



1.5758, 0.7296, 3.8120

Inverse Universe

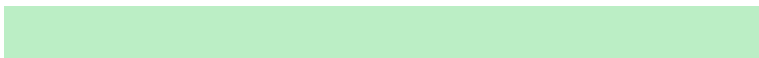
The Inverse Universe completely reimagines the original color for something new.



63.6928, 57.9846, 63.7149



70.7830, 62.0902, 68.0579



61.1711, 75.7558, 64.3444



15.9640, 15.8353, 17.3669



20.3374, 10.4074, 4.4271



1.7338, 0.8826, 0.5890

Previews

White Background



This preview shows how the XYZ color 63.6344, 57.4017, 88.6147 looks on a white background.

Color Contrast Check

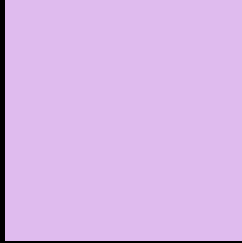
Large Text (above 18pt) WCAG AA × Fail

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 63.6344, 57.4017, 88.6147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

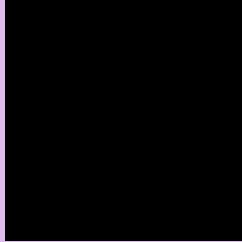
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6344, 57.4017, 88.6147

Background



This preview shows how black text looks on a background with the XYZ color 63.6344, 57.4017, 88.6147.



This preview shows how white text looks on a background with the XYZ color 63.6344, 57.4017,

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

63.6344, 57.4017, 88.6147

Protanopia

57.6618, 57.7996, 94.5035

Deuteranopia

58.7428, 57.5038, 87.3602



Tritanopia

59.1482, 57.1588, 67.5898

Trichromacy



Original Color

63.6344, 57.4017, 88.6147

Protanomaly

59.4062, 57.4119, 91.9550

Deuteranomaly

60.4302, 57.3690, 88.0091

Tritanomaly

60.7148, 57.1570, 74.8502

Monochromacy



Original Color

63.6344, 57.4017, 88.6147

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

59.4527, 59.1949, 73.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6344, 57.4017, 88.6147 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(223, 187, 238)` looks like.

```
.text, #text, p{  
    color:rgb(223, 187, 238)  
}
```

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(223, 187, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 187, 238) }
```

Border

The CSS property to change the border of an element to XYZ 63.6344, 57.4017, 88.6147 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(223, 187, 238) }
```


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

```
.border{ border-color:rgb(223, 187, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 187, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 187, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 187, 238);  
box-shadow:4px 4px 4px 4px rgb(223, 187,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6344, 57.4017, 88.6147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 187, 238) }
```

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

```
.background{ background-color: rgb(223,  
187, 238) }
```

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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