

Converting Colors

XYZ(68.8616, 61.1242, 87.4659)

Have a look what the booklet for
XYZ(68.8616, 61.1242, 87.4659)
contains.

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Color

**XYZ(68.8137, 61.0602,
87.5158)**

Conversions

Conversions Part 1

Format	Color
Hex	EEBEEC
RGB	238, 190, 236
RGB Percent	93%, 75%, 93%
CMY	0.0667, 0.2549, 0.0745
CMYK	0.00, 0.20, 0.01, 0.07
HSL	303°, 59%, 84%
HSV	303°, 20%, 93%
XYZ	68.8137, 61.0602, 87.5158
YIQ	209.5960, 13.8420, 24.4820

Conversions

Conversions Part 2

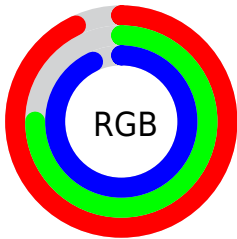
Format	Color
R _Y B	238, 190, 236
Decimal	15646444
CIE _{Lab}	82.41, 24.78, -16.28
CIE _{LCh}	82, 29.651, 326.699
Yxy	61.0602, 0.3165, 0.2809
Android (android.graphics.Color)	4293836524 (0xFFEEBEEC)
YUV	209.5960, 13.0172, 24.9103
Hunter-Lab	78.1410, 20.4465, -11.7045

Details

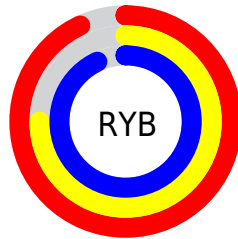
The XYZ color **68.8137, 61.0602, 87.5158** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.3266, 75.9039, 61.2912**, and the grayscale version is **60.9065, 64.0784, 69.7813**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **36.3338, 30.8487, 47.2194** is the 20% darker color. If you saturate the color by 10%, you get **63.9307, 51.5232, 85.1797**, and if you desaturate by 10%, it is **74.5429, 72.2862, 90.1393**.

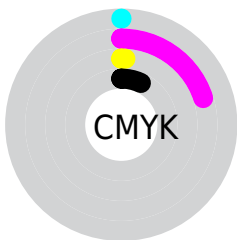
Distribution



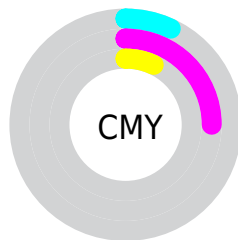
- Red (93%)
- Green (75%)
- Blue (93%)



- Red (93%)
- Yellow (75%)
- Blue (93%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8137, 61.0602, 87.5158 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 68.8137, 61.0602, 87.5158 by changing the saturation by 10% instead.

68.8137, 61.0602,
87.5158

68.8137, 61.0602,
87.5158

445.7053,
428.4947, 540.2764

50.8361, 44.2738,
65.3601

116.5510,
106.3661, 145.7881

36.2987, 30.8858,
47.2999

147.0413,
135.6543, 182.7417

24.8361, 20.5119,
32.9168

182.4333,
169.8786, 225.4650

16.0831, 12.7677,
21.7921

223.0923,
209.4234, 274.3766

9.6742, 7.2688,
13.5074

269.3837,
254.6729, 329.8950

5.2441, 3.6307,
7.6440

321.6727,

2.4274, 1.4692,

306.0118, 392.4388

3.7835

380.3248,
363.8242, 462.4264

■ 0.8588, 0.2669,
1.5074

■ 0.0000, 0.0000,
0.2234

■ 68.8137, 61.0602,
87.5158

■ 68.8137, 61.0602,
87.5158

■ 63.9307, 51.5232,
85.1797

■ 74.5429, 72.2862,
90.1393

■ 59.8476, 43.5857,
83.1135

■ 81.1507, 85.2693,
93.0590

■ 56.5219, 37.1619,
81.3037

■ 86.5970, 95.9281,
95.5954

■ 53.9053, 32.1548,
79.7341

■ 86.7440, 95.9868,
96.3694

51.9436, 28.4563,
78.3868

86.8918, 96.0460,
97.1476

50.5750, 25.9428,
77.2411

87.0404, 96.1054,
97.9300

49.7258, 24.4667,
76.2725

87.1898, 96.1652,
98.7167

49.2754, 23.7834,
75.4520

87.3400, 96.2252,
99.5077

87.4910, 96.2856,
100.3030

Harmonies

Analogous

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



63.6776, 61.0602, 102.7374



68.8137, 61.0602, 87.5158



71.0537, 61.0602, 68.5115

Triad

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



68.8137, 61.0602, 87.5158



58.7395, 61.0602, 37.4048



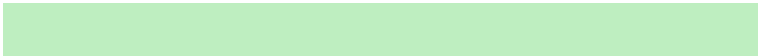
47.8280, 61.0602, 83.4064

Complementary

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



68.8137, 61.0602, 87.5158



61.3266, 75.9039, 61.2912

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.



46.7139, 61.0602, 64.4972



68.8137, 61.0602, 87.5158



52.7377, 61.0602, 39.9538

Square

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



68.8137, 61.0602, 87.5158



64.9776, 61.0602, 41.4002



48.4466, 61.0602, 49.1248



51.6070, 61.0602, 100.0780

Rectangle

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



68.8137, 61.0602, 87.5158



70.4909, 61.0602, 56.9634



48.4466, 61.0602, 49.1248



47.1418, 61.0602, 77.0108

Sweetspot

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



68.8155, 61.0629, 87.5171



90.2593, 90.5827, 106.7975



55.4859, 54.1574, 88.4191



19.2125, 19.1789, 22.8117



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.



68.8155, 61.0629, 87.5171



78.1293, 66.8114, 101.2472



65.6097, 59.7805, 70.6354



16.4241, 16.0194, 19.7897



27.5028, 13.2735, 42.1597



2.2968, 1.1077, 3.5535

Inverse Universe

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



68.8155, 61.0629, 87.5171



78.1293, 66.8114, 101.2472



64.1550, 77.0352, 76.1852



16.4241, 16.0194, 19.7897



27.5028, 13.2735, 42.1597



2.2968, 1.1077, 3.5535

Previews

White Background



This preview shows how the XYZ color 68.8137, 61.0602, 87.5158 looks on a white background.

Color Contrast Check

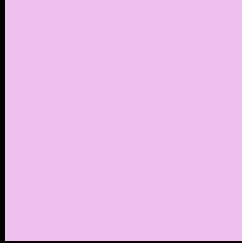
Large Text (above 18pt) WCAG AA × Fail

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 68.8137, 61.0602, 87.5158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

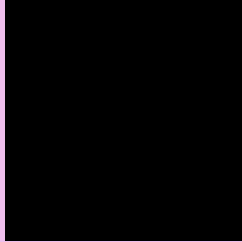
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8137, 61.0602, 87.5158

Background



This preview shows how black text looks on a background with the XYZ color 68.8137, 61.0602, 87.5158.



This preview shows how white text looks on a background with the XYZ color 68.8137, 61.0602,

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

68.8137, 61.0602, 87.5158

Protanopia

60.8633, 61.1748, 94.9863

Deuteranopia

62.6569, 61.2461, 86.3612



Tritanopia

65.0796, 61.1758, 69.3508

Trichromacy



Original Color

68.8137, 61.0602, 87.5158



Protanomaly

63.3725, 60.7960, 92.3991



Deuteranomaly

64.5541, 60.8502, 86.9401



Tritanomaly

66.1171, 60.9166, 75.2912

Monochromacy



Original Color

68.8137, 61.0602, 87.5158



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

63.6573, 63.0420, 75.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8137, 61.0602, 87.5158 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(238, 190, 236)` looks like.

```
.text, #text, p{  
    color:rgb(238, 190, 236)  
}
```

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(238, 190, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 190, 236) }
```

Border

The CSS property to change the border of an element to XYZ 68.8137, 61.0602, 87.5158 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(238, 190, 236) }
```


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

```
.border{ border-color:rgb(238, 190, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 190, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 190, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 190, 236);  
box-shadow:4px 4px 4px 4px rgb(238, 190,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8137, 61.0602, 87.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 190, 236) }
```

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

```
.background{ background-color: rgb(238,  
190, 236) }
```

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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