

Converting Colors

XYZ(66.8656, 56.1607, 87.1706)

Have a look what the booklet for
XYZ(66.8656, 56.1607, 87.1706)
contains.

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Color

**XYZ(66.9434, 56.0840,
87.4178)**

Conversions

Conversions Part 1

Format	Color
Hex	F0B1ED
RGB	240, 177, 237
RGB Percent	94%, 69%, 93%
CMY	0.0588, 0.3059, 0.0706
CMYK	0.00, 0.26, 0.01, 0.06
HSL	303°, 68%, 82%
HSV	303°, 26%, 94%
XYZ	66.9434, 56.0840, 87.4178
YIQ	202.6770, 18.2880, 32.0160

Conversions

Conversions Part 2

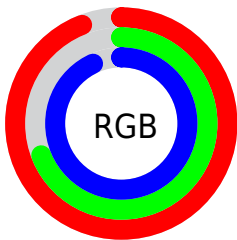
Format	Color
R _Y B	240, 177, 237
Decimal	15774189
CIE Lab	79.66, 32.53, -20.95
CIE LCh	80, 38.692, 327.216
Yxy	56.0840, 0.3181, 0.2665
Android (android.graphics.Color)	4293964269 (0xFFFF0B1ED)
YUV	202.6770, 16.9212, 32.7323
Hunter-Lab	74.8893, 28.5047, -16.7864

Details

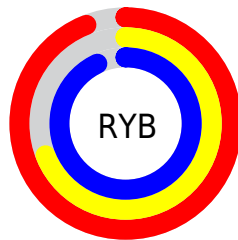
The XYZ color **66.9434, 56.0840, 87.4178** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.5321, 74.9643, 54.6205**, and the grayscale version is **56.4531, 59.3930, 64.6790**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **35.0766, 27.8188, 47.2369** is the 20% darker color. If you saturate the color by 10%, you get **62.4475, 47.3576, 85.0984**, and if you desaturate by 10%, it is **72.2775, 66.4830, 90.0231**.

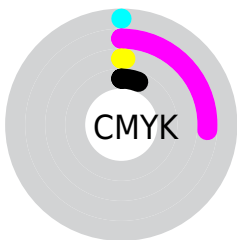
Distribution



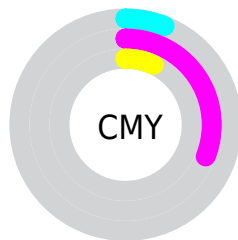
- Red (94%)
- Green (69%)
- Blue (93%)



- Red (94%)
- Yellow (69%)
- Blue (93%)



- Cyan (0%)
- Magenta (26%)
- Yellow (1%)
- Black (6%)



- Cyan (6%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9434, 56.0840, 87.4178 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 66.9434, 56.0840, 87.4178 by changing the saturation by 10% instead.

66.9434, 56.0840,
87.4178

66.9434, 56.0840,
87.4178

439.1789,
410.0080, 539.9466

49.3092, 40.2703,
65.2794

113.8896, 99.1274,
145.6503

35.0803, 27.7493,
47.2349

143.9322,
127.1258, 182.5816

23.8916, 18.1368,
32.8657

178.8416,
159.9546, 225.2808

15.3775, 11.0482,
21.7533

218.9833,
197.9982, 274.1667

9.1728, 6.0993,
13.4792

264.7225,
241.6409, 329.6576

4.9121, 2.9056,
7.6247

316.4246,

2.2300, 1.0826,

291.2672, 392.1723

3.7715

374.4549,
347.2614, 462.1291

■ 0.7585, 0.0000,
1.5008

■ 0.0000, 0.0000,
0.2185

■ 66.9434, 56.0840,
87.4178

■ 66.9434, 56.0840,
87.4178

■ 62.4475, 47.3576,
85.0984

■ 72.2775, 66.4830,
90.0231

■ 58.7409, 40.2091,
83.0467

■ 78.4849, 78.6281,
92.9242

■ 55.7776, 34.5456,
81.2480

■ 85.6054, 92.5974,
96.1349

■ 53.5050, 30.2617,
79.6847

■ 87.6587, 96.4307,
97.6618

51.8633, 27.2379,
78.3370

87.8306, 96.4995,
98.5668

50.7826, 25.3347,
77.1815

88.0035, 96.5687,
99.4776

50.1762, 24.3781,
76.1893

88.1775, 96.6383,
100.3939

50.0187, 24.1587,
75.8417

88.3526, 96.7083,
101.3160

88.5288, 96.7788,
102.2438

Harmonies

Analogous

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



60.4678, 56.0840, 107.8119



66.9434, 56.0840, 87.4178



69.7432, 56.0840, 63.1775

Triad

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



66.9434, 56.0840, 87.4178



54.0384, 56.0840, 27.4128



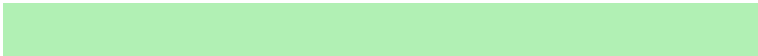
41.0440, 56.0840, 82.9049

Complementary

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



66.9434, 56.0840, 87.4178



57.5321, 74.9643, 54.6205

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.



39.6787, 56.0840, 59.0020



66.9434, 56.0840, 87.4178



46.7336, 56.0840, 30.2661

Square

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



66.9434, 56.0840, 87.4178



61.8515, 56.0840, 31.5925



41.6594, 56.0840, 40.6260



45.5866, 56.0840, 104.7910

Rectangle

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



66.9434, 56.0840, 87.4178



68.9631, 56.0840, 49.2090



41.6594, 56.0840, 40.6260



40.2188, 56.0840, 74.6892

Sweetspot

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



66.9451, 56.0865, 87.4190



88.7279, 87.6054, 106.0228



50.0664, 47.3341, 88.9368



18.7531, 18.2846, 22.5829



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.



66.9451, 56.0865, 87.4190



74.2052, 59.2709, 98.9905



62.8486, 54.4478, 65.8469



16.4198, 16.0176, 19.7671



27.3951, 13.2305, 41.5929



2.2890, 1.1046, 3.5126

Inverse Universe

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



66.9451, 56.0865, 87.4190



74.2052, 59.2709, 98.9905



61.0014, 76.3521, 72.8899



16.4198, 16.0176, 19.7671



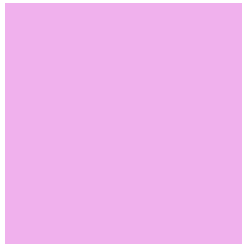
27.3951, 13.2305, 41.5929



2.2890, 1.1046, 3.5126

Previews

White Background



This preview shows how the XYZ color 66.9434, 56.0840, 87.4178 looks on a white background.

Color Contrast Check

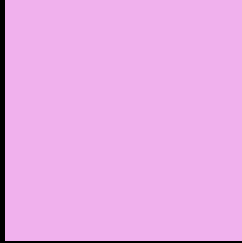
Large Text (above 18pt) WCAG AA × Fail

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 66.9434, 56.0840, 87.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

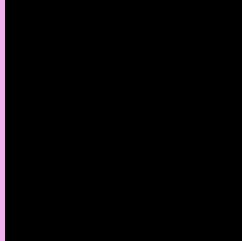
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9434, 56.0840, 87.4178

Background



This preview shows how black text looks on a background with the XYZ color 66.9434, 56.0840, 87.4178.



This preview shows how white text looks on a background with the XYZ color 66.9434, 56.0840,

87.4178.

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

66.9434, 56.0840, 87.4178

Protanopia

56.7624, 56.5723, 98.3703

Deuteranopia

57.4744, 56.2226, 85.6647



Tritanopia

61.5945, 56.0204, 60.9927

Trichromacy



Original Color

66.9434, 56.0840, 87.4178



Protanomaly

59.5809, 55.8251, 94.0213



Deuteranomaly

60.4973, 55.8349, 86.1859



Tritanomaly

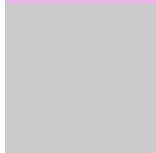
63.3326, 55.8057, 69.7209

Monochromacy



Original Color

66.9434, 56.0840, 87.4178



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

59.8764, 58.0888, 72.3464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9434, 56.0840, 87.4178 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(240, 177, 237)` looks like.

```
.text, #text, p{  
    color:rgb(240, 177, 237)  
}
```

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(240, 177, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 177, 237) }
```

Border

The CSS property to change the border of an element to XYZ 66.9434, 56.0840, 87.4178 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(240, 177, 237) }
```


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

```
.border{ border-color:rgb(240, 177, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 177, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 177, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 177, 237);  
box-shadow:4px 4px 4px 4px rgb(240, 177,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9434, 56.0840, 87.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 177, 237) }
```

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

```
.background{ background-color: rgb(240,  
177, 237) }
```

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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