

Converting Colors

XYZ(63.8868, 53.8272, 78.7221)

Have a look what the booklet for
XYZ(63.8868, 53.8272, 78.7221)
contains.

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Color

**XYZ(63.7886, 53.7676,
78.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	EDAEE2
RGB	237, 174, 226
RGB Percent	93%, 68%, 89%
CMY	0.0706, 0.3176, 0.1137
CMYK	0.00, 0.27, 0.05, 0.07
HSL	310°, 64%, 81%
HSV	310°, 27%, 93%
XYZ	63.7886, 53.7676, 78.9677
YIQ	198.7650, 20.8560, 29.5280

Conversions

Conversions Part 2

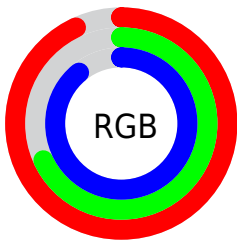
Format	Color
R _Y B	237, 174, 226
Decimal	15576802
CIE Lab	78.33, 31.18, -17.06
CIE LCh	78, 35.546, 331.318
Yxy	53.7676, 0.3246, 0.2736
Android (android.graphics.Color)	4293766882 (0xFFEDAEE2)
YUV	198.7650, 13.4269, 33.5321
Hunter-Lab	73.3264, 26.9608, -12.5230

Details

The XYZ color **63.7886, 53.7676, 78.9677** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.4989, 73.0715, 57.0285**, and the grayscale version is **54.0556, 56.8707, 61.9321**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **33.0104, 26.3183, 41.8682** is the 20% darker color. If you saturate the color by 10%, you get **59.0470, 45.1816, 74.6195**, and if you desaturate by 10%, it is **69.3549, 63.9794, 83.6596**.

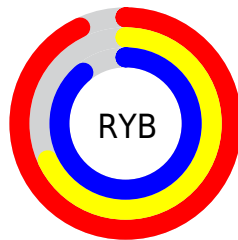
Distribution



Red (93%)

Green (68%)

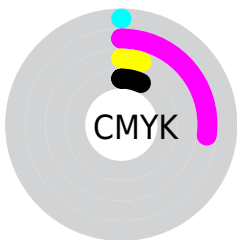
Blue (89%)



Red (93%)

Yellow (68%)

Blue (89%)

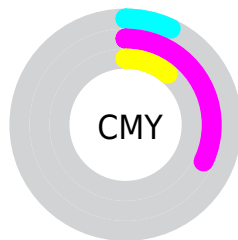


Cyan (0%)

Magenta (27%)

Yellow (5%)

Black (7%)



Cyan (7%)


Magenta (32%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7886, 53.7676, 78.9677 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 63.7886, 53.7676, 78.9677 by changing the saturation by 10% instead.

 63.7886, 53.7676,
78.9677

 63.7886, 53.7676,
78.9677

428.0402,
401.2232, 511.0618

 46.7405, 38.4159,
58.3481


 109.3819, 95.7329,
133.7116

 33.0377, 26.3056,
41.6720

138.6578,
123.1153, 168.6731

 22.3147, 17.0524,
28.5209


172.7403,
155.2768, 209.2522

 14.2062, 10.2719,
18.4762

211.9948,
192.6016, 255.8675

 8.3469, 5.5796,
11.1195

256.7867,
235.4743, 308.9376

 4.3714, 2.5912,
6.0321

307.4814,

 1.9143, 0.9222,

284.2792, 368.8809

2.7955

364.4441,
339.4007, 436.1162

■ 0.5851, 0.0000,
0.9912

■ 0.0000, 0.0000,
0.0000

■ 63.7886, 53.7676,
78.9677

■ 63.7886, 53.7676,
78.9677

■ 59.0470, 45.1816,
74.6195

■ 69.3549, 63.9794,
83.6596

■ 55.0828, 38.1292,
70.5970

■ 75.7805, 75.8886,
88.7055

■ 51.8511, 32.5203,
66.8854

■ 83.1039, 89.5712,
94.1191

■ 49.3004, 28.2520,
63.4670

■ 86.7961, 95.9690,
98.3914

47.3726, 25.2080,
60.3219

87.4268, 96.2213,
101.7127

45.9994, 23.2524,
57.4270

88.0717, 96.4792,
105.1086

45.0952, 22.2134,
54.7531

88.7308, 96.7429,
108.5796

44.8457, 21.9728,
53.8735

88.7355, 96.7448,
108.6045

Harmonies

Analogous

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



58.3931, 53.7676, 97.8422



63.7886, 53.7676, 78.9677



65.7101, 53.7676, 57.6650

Triad

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



63.7886, 53.7676, 78.9677



50.7967, 53.7676, 27.9416



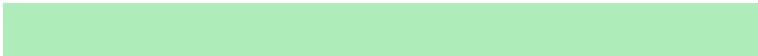
40.4877, 53.7676, 80.8501

Complementary

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



63.7886, 53.7676, 78.9677



56.4989, 73.0715, 57.0285

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.



38.8414, 53.7676, 59.4315



63.7886, 53.7676, 78.9677



44.4491, 53.7676, 31.4920

Square

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



63.7886, 53.7676, 78.9677



57.8112, 53.7676, 30.9114



40.2242, 53.7676, 41.9851



44.9376, 53.7676, 99.0914

Rectangle

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



63.7886, 53.7676, 78.9677



64.6357, 53.7676, 45.6676



40.2242, 53.7676, 41.9851



39.6072, 53.7676, 73.6378

Sweetspot

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



63.7902, 53.7700, 78.9688



88.3156, 87.4405, 103.8520



50.3116, 46.6415, 86.4729



18.6485, 18.2427, 22.0321



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.



63.7902, 53.7700, 78.9688



72.1004, 57.6368, 90.3492



59.9134, 52.2193, 58.5537



15.5953, 15.2660, 18.4204



24.5274, 12.0137, 29.6424



1.9557, 0.9552, 2.4838

Inverse Universe

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



63.7902, 53.7700, 78.9688



72.1004, 57.6368, 90.3492



60.1364, 74.5265, 76.1831



15.5953, 15.2660, 18.4204



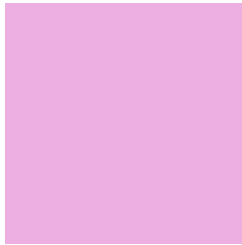
24.5274, 12.0137, 29.6424



1.9557, 0.9552, 2.4838

Previews

White Background



This preview shows how the XYZ color 63.7886, 53.7676, 78.9677 looks on a white background.

Color Contrast Check

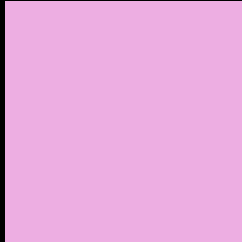
Large Text (above 18pt) WCAG AA × Fail

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 63.7886, 53.7676, 78.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

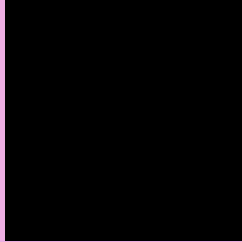
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7886, 53.7676, 78.9677

Background



This preview shows how black text looks on a background with the XYZ color 63.7886, 53.7676, 78.9677.



This preview shows how white text looks on a background with the XYZ color 63.7886, 53.7676,

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

63.7886, 53.7676, 78.9677

Protanopia

53.8107, 53.9396, 88.4642

Deuteranopia

55.0701, 53.8650, 77.3065



Tritanopia

59.6631, 53.8612, 58.2906

Trichromacy



Original Color

63.7886, 53.7676, 78.9677



Protanomaly

56.8288, 53.3349, 85.1414



Deuteranomaly

58.0356, 53.8089, 77.8484



Tritanomaly

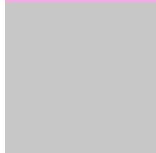
60.9927, 53.7894, 65.5603

Monochromacy



Original Color

63.7886, 53.7676, 78.9677



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

57.3627, 55.5765, 68.0256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7886, 53.7676, 78.9677 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(237, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(237, 174, 226)  
}
```

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(237, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 174, 226) }
```

Border

The CSS property to change the border of an element to XYZ 63.7886, 53.7676, 78.9677 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(237, 174, 226) }
```


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

```
.border{ border-color:rgb(237, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 174, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 174, 226); box-shadow:4px 4px 4px 4px rgb(237, 174, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7886, 53.7676, 78.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 174, 226) }
```

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

```
.background{ background-color: rgb(237,  
174, 226) }
```

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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