

Converting Colors

XYZ(63.3606, 51.6660, 87.5154)

Have a look what the booklet for
XYZ(63.3606, 51.6660, 87.5154)
contains.

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Color

**XYZ(63.3669, 51.6707,
87.5226)**

Conversions

Conversions Part 1

Format	Color
Hex	EAA8EE
RGB	234, 168, 238
RGB Percent	92%, 66%, 93%
CMY	0.0823, 0.3412, 0.0667
CMYK	0.02, 0.29, 0.00, 0.07
HSL	297°, 67%, 80%
HSV	297°, 29%, 93%
XYZ	63.3669, 51.6707, 87.5226
YIQ	195.7140, 16.8660, 35.7620

Conversions

Conversions Part 2

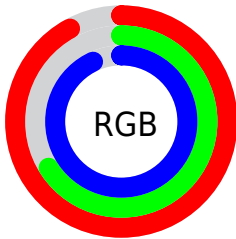
Format	Color
R_{YB}	234, 168, 238
Decimal	15378670
CIE _{Lab}	77.08, 35.57, -25.47
CIE _{LCh}	77, 43.751, 324.398
Yxy	51.6707, 0.3128, 0.2551
Android (android.graphics.Color)	4293568750 (0xFFEAA8EE)
YUV	195.7140, 20.8470, 33.5768
Hunter-Lab	71.8823, 31.5602, -21.8728

Details

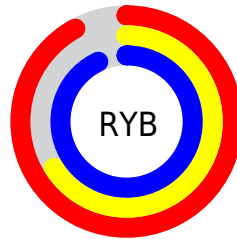
The XYZ color **63.3669, 51.6707, 87.5226** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.6575, 72.7482, 48.2093**, and the grayscale version is **52.1716, 54.8885, 59.7736**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **32.7057, 24.9860, 47.3550** is the 20% darker color. If you saturate the color by 10%, you get **58.9245, 43.4452, 86.1698**, and if you desaturate by 10%, it is **68.6201, 61.5107, 89.1458**.

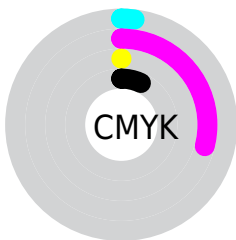
Distribution



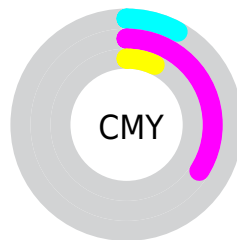
- Red (92%)
- Green (66%)
- Blue (93%)



- Red (92%)
- Yellow (66%)
- Blue (93%)



- Cyan (2%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)





- Cyan (8%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3669, 51.6707, 87.5226 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 63.3669, 51.6707, 87.5226 by changing the saturation by 10% instead.


 63.3669, 51.6707,
87.5226


 63.3669, 51.6707,
87.5226


426.5384,
393.1640, 540.2993

 46.3979, 36.7427,
65.3657


 108.7775, 92.6454,
145.7976

 32.7658, 25.0083,
47.3044

 137.9498,
119.4609, 182.7528

 22.1055, 16.0832,
32.9203


171.9205,
151.0076, 225.4778

 14.0515, 9.5831,
21.7948

211.0550,
187.6700, 274.3912

 8.2384, 5.1234,
13.5093

255.7187,
229.8324, 329.9115

 4.3010, 2.3199,
7.6454

306.2769,

 1.8738, 0.7842,

277.8793, 392.4573

3.7844

363.0950,
332.1950, 462.4470

■ 0.5615, 0.0000,
1.5078

■ 0.0000, 0.0000,
0.2237

■ 63.3669, 51.6707,
87.5226

■ 63.3669, 51.6707,
87.5226

■ 58.9245, 43.4452,
86.1698

■ 68.6201, 61.5107,
89.1458

■ 55.2441, 36.7395,
85.0695

■ 74.7197, 73.0395,
91.0496

■ 52.2791, 31.4597,
84.2066

■ 81.7053, 86.3350,
93.2477

■ 49.9760, 27.4986,
83.5635

■ 86.9385, 96.1207,
94.8607

48.2736, 24.7339,
83.1195

87.4005, 96.3589,
94.8823

47.0993, 23.0204,
82.8507

87.8660, 96.5989,
94.9041

46.3381, 22.1280,
82.7186

88.3350, 96.8406,
94.9261

46.2980, 22.0847,
82.7123

88.8074, 97.0842,
94.9482

89.2833, 97.3295,
94.9705

Harmonies

Analogous

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



56.0513, 51.6707, 109.4280



63.3669, 51.6707, 87.5226



66.8988, 51.6707, 60.8729

Triad

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



63.3669, 51.6707, 87.5226



50.6966, 51.6707, 21.7686



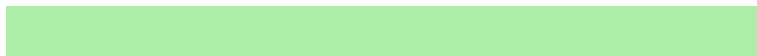
35.8850, 51.6707, 77.4875

Complementary

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



63.3669, 51.6707, 87.5226



54.6575, 72.7482, 48.2093

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.



34.7945, 51.6707, 51.8874



63.3669, 51.6707, 87.5226



42.7694, 51.6707, 23.8997

Square

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



63.3669, 51.6707, 87.5226



59.0707, 51.6707, 26.5289



37.1724, 51.6707, 33.5007



40.3397, 51.6707, 102.5773

Rectangle

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



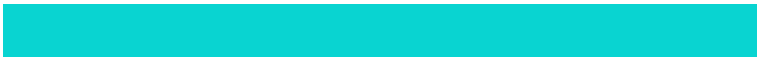
63.3669, 51.6707, 87.5226



66.3744, 51.6707, 45.5775



37.1724, 51.6707, 33.5007



35.1357, 51.6707, 68.4948

Sweetspot

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



63.3685, 51.6730, 87.5237



87.6799, 85.9735, 106.5811



46.4630, 44.2598, 86.9839



18.5293, 17.9508, 22.7382



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.



63.3685, 51.6730, 87.5237



71.0295, 54.7072, 101.4236



60.6084, 50.7223, 66.0575



16.3598, 15.9827, 19.9443



25.8676, 12.3406, 46.1465



2.1789, 1.0405, 3.8402

Inverse Universe

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



56.7107, 49.1632, 45.5325



62.1672, 51.3762, 45.0930



56.9563, 73.5678, 64.8280



15.8094, 15.7735, 16.5526



19.7290, 10.1640, 1.2234



1.6540, 0.8507, 0.1691

Previews

White Background



This preview shows how the XYZ color 63.3669, 51.6707, 87.5226 looks on a white background.

Color Contrast Check

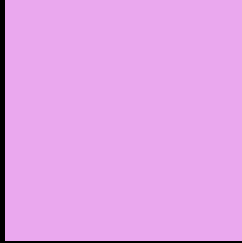
Large Text (above 18pt) WCAG AA × Fail

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 63.3669, 51.6707, 87.5226 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 63.3669, 51.6707, 87.5226

Background



This preview shows how black text looks on a background with the XYZ color 63.3669, 51.6707, 87.5226.



This preview shows how white text looks on a background with the XYZ color 63.3669, 51.6707,

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

63.3669, 51.6707, 87.5226

Protanopia

52.9464, 51.9425, 100.1638

Deuteranopia

53.1151, 52.0460, 85.0883



Tritanopia

56.8047, 51.5368, 56.2439

Trichromacy



Original Color

63.3669, 51.6707, 87.5226



Protanomaly

55.9728, 51.4272, 95.7833



Deuteranomaly

56.2185, 51.4780, 85.5705



Tritanomaly

59.1543, 51.6492, 66.5260

Monochromacy



Original Color

63.3669, 51.6707, 87.5226



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

55.8951, 53.5226, 69.0129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3669, 51.6707, 87.5226 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(234, 168, 238)` looks like.

```
.text, #text, p{  
    color:rgb(234, 168, 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(234, 168, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 168, 238) }
```

Border

The CSS property to change the border of an element to XYZ 63.3669, 51.6707, 87.5226 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(234, 168, 238) }
```


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

```
.border{ border-color:rgb(234, 168, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 168, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 168, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 168, 238);  
box-shadow:4px 4px 4px 4px rgb(234, 168,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3669, 51.6707, 87.5226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 168, 238) }
```

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

```
.background{ background-color: rgb(234,  
168, 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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