

Converting Colors

XYZ(68.2966, 63.1774, 80.7080)

Have a look what the booklet for
XYZ(68.2966, 63.1774, 80.7080)
contains.

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Color

**XYZ(68.2858, 63.2564,
80.5622)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC5E2
RGB	236, 197, 226
RGB Percent	93%, 77%, 89%
CMY	0.0745, 0.2274, 0.1137
CMYK	0.00, 0.17, 0.04, 0.07
HSL	315°, 51%, 85%
HSV	315°, 17%, 93%
XYZ	68.2858, 63.2564, 80.5622
YIQ	211.9670, 13.9350, 17.2870

Conversions

Conversions Part 2

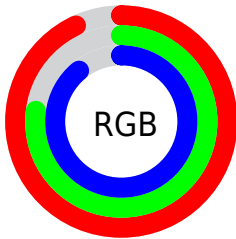
Format	Color
R _Y B	236, 197, 226
Decimal	15517154
CIE Lab	83.58, 18.61, -9.21
CIE LCh	84, 20.759, 333.669
Yxy	63.2564, 0.3219, 0.2982
Android (android.graphics.Color)	4293707234 (0xFFECC5E2)
YUV	211.9670, 6.9183, 21.0769
Hunter-Lab	79.5339, 14.0713, -4.3828

Details

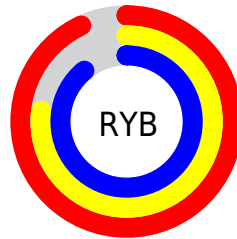
The XYZ color **68.2858, 63.2564, 80.5622** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.2864, 76.3680, 70.3872**, and the grayscale version is **62.5080, 65.7633, 71.6162**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **35.9955, 32.2885, 42.8632** is the 20% darker color. If you saturate the color by 10%, you get **62.5255, 53.0406, 74.6174**, and if you desaturate by 10%, it is **74.9180, 75.1672, 86.9437**.

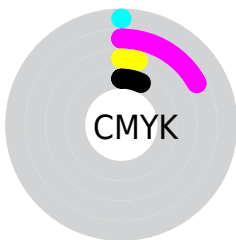
Distribution



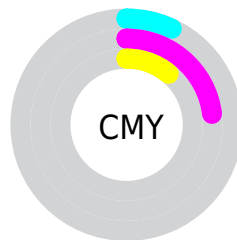
- Red (93%)
- Green (77%)
- Blue (89%)



- Red (93%)
- Yellow (77%)
- Blue (89%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2858, 63.2564, 80.5622 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 68.2858, 63.2564, 80.5622 by changing the saturation by 10% instead.

68.2858, 63.2564,
80.5622

68.2858, 63.2564,
80.5622

443.8688,
436.4994, 516.5821

50.4048, 46.0487,
59.6522

115.8006,
109.5393, 135.9744

35.9543, 32.2842,
42.7149

146.1651,
139.3833, 171.3137

24.5688, 21.5787,
29.3317

181.4214,
174.2082, 212.2998

15.8831, 13.5477,
19.0842

221.9350,
214.3983, 259.3513

9.5318, 7.8067,
11.5537

268.0712,
260.3381, 312.8868

5.1495, 3.9715,
6.3217

320.1953,

2.3709, 1.6577,

312.4120, 373.3247

2.9697

378.6727,
371.0043, 441.0836

■ 0.8306, 0.3960,
1.0792

■ 0.0000, 0.0000,
0.0000

■ 68.2858, 63.2564,
80.5622

■ 68.2858, 63.2564,
80.5622

■ 62.5255, 53.0406,
74.6174

■ 74.9180, 75.1672,
86.9437

■ 57.5923, 44.4335,
69.0908

■ 82.4532, 88.8376,
93.7716

■ 53.4458, 37.3538,
63.9680

■ 86.7055, 95.8943,
99.6527

■ 50.0398, 31.7097,
59.2322

■ 87.6406, 96.2683,
104.5770

■ 47.3232, 27.3995,
54.8649

■ 88.4025, 96.5731,
108.5889

■ 45.2384, 24.3082,
50.8452

■ 43.7175, 22.3011,
47.1489

■ 42.6759, 21.2089,
43.7462

■ 42.3778, 20.9472,
42.6157

Harmonies

Analogous

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



65.0906, 63.2564, 91.8312



68.2858, 63.2564, 80.5622



69.2562, 63.2564, 67.2889

Triad

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



68.2858, 63.2564, 80.5622



59.5667, 63.2564, 46.8300



53.1513, 63.2564, 83.6760

Complementary

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



68.2858, 63.2564, 80.5622



64.2864, 76.3680, 70.3872

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.



51.8309, 63.2564, 70.4868



68.2858, 63.2564, 80.5622



55.4154, 63.2564, 50.1046

Square

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



68.2858, 63.2564, 80.5622



64.0763, 63.2564, 48.8224



52.6387, 63.2564, 58.3774



56.3363, 63.2564, 93.7818

Rectangle

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



68.2858, 63.2564, 80.5622



68.4724, 63.2564, 59.3244



52.6387, 63.2564, 58.3774



52.4821, 63.2564, 79.4003

Sweetspot

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



68.2877, 63.2592, 80.5636



90.5946, 91.9244, 104.8400



60.7716, 59.2213, 87.5857



19.2617, 19.4419, 22.3203



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.



68.2877, 63.2592, 80.5636



78.8481, 70.8518, 93.4628



65.7925, 62.2611, 67.4242



15.5402, 15.2439, 18.1302



23.4144, 11.5684, 23.7813



1.8772, 0.9238, 2.0707

Inverse Universe

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



68.2877, 63.2592, 80.5636



78.8481, 70.8518, 93.4628



66.7854, 77.3675, 83.5466



15.5402, 15.2439, 18.1302



23.4144, 11.5684, 23.7813



1.8772, 0.9238, 2.0707

Previews

White Background



This preview shows how the XYZ color 68.2858, 63.2564, 80.5622 looks on a white background.

Color Contrast Check

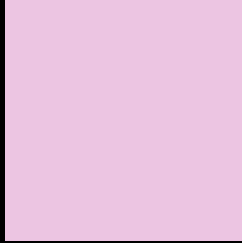
Large Text (above 18pt) WCAG AA × Fail

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 68.2858, 63.2564, 80.5622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

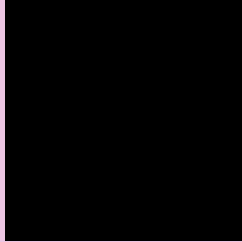
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2858, 63.2564, 80.5622

Background



This preview shows how black text looks on a background with the XYZ color 68.2858, 63.2564, 80.5622.



This preview shows how white text looks on a background with the XYZ color 68.2858, 63.2564,

80.5622.

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

68.2858, 63.2564, 80.5622

Protanopia

62.0551, 63.4310, 85.3167

Deuteranopia

64.7653, 63.5203, 80.0813



Tritanopia

66.4927, 63.1943, 72.3115

Trichromacy



Original Color

68.2858, 63.2564, 80.5622

Protanomaly

63.9578, 63.0240, 83.6568

Deuteranomaly

65.8413, 63.3783, 79.9972

Tritanomaly

67.1099, 63.1123, 74.9745

Monochromacy



Original Color

68.2858, 63.2564, 80.5622

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.6560, 65.0076, 74.7856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2858, 63.2564, 80.5622 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(236, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(236, 197, 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(236, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 197, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.2858, 63.2564, 80.5622 is called "border". The border property can be set on classes, ids or directly on the HTML element.

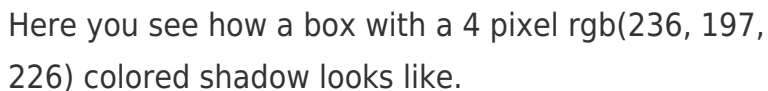
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 197, 226) }
```


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

```
.border{ border-color:rgb(236, 197, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 197, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 197, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 197, 226); box-shadow:4px 4px 4px 4px rgb(236, 197, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2858, 63.2564, 80.5622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 197, 226) }
```

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

```
.background{ background-color: rgb(236,  
197, 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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