

# Converting Colors

XYZ(63.1636, 58.0743, 80.6860)

Have a look what the booklet for  
XYZ(63.1636, 58.0743, 80.6860)  
contains.

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# Color

**XYZ(63.1141, 57.9488,  
80.5318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1BDE3
RGB	225, 189, 227
RGB Percent	88%, 74%, 89%
CMY	0.1176, 0.2588, 0.1098
CMYK	0.01, 0.17, 0.00, 0.11
HSL	297°, 40%, 82%
HSV	297°, 17%, 89%
XYZ	63.1141, 57.9488, 80.5318
YIQ	204.0960, 9.2580, 19.4500

# Conversions

## Conversions Part 2

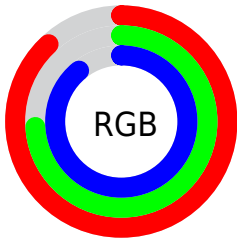
Format	Color
R <sub>Y</sub> B	225, 189, 227
Decimal	14794211
CIE Lab	80.71, 19.36, -14.13
CIE LCh	81, 23.966, 323.879
Yxy	57.9488, 0.3131, 0.2875
Android (android.graphics.Color)	4292984291 (0xFFE1BDE3)
YUV	204.0960, 11.2917, 18.3328
Hunter-Lab	76.1241, 14.7762, -9.4361

# Details

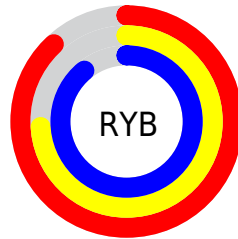
The XYZ color **63.1141, 57.9488, 80.5318** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **58.1423, 69.6901, 58.5341**, and the grayscale version is **57.3834, 60.3718, 65.7449**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **32.6127, 29.0219, 42.9126** is the 20% darker color. If you saturate the color by 10%, you get **58.2377, 48.7461, 79.0134**, and if you desaturate by 10%, it is **68.7607, 68.6863, 82.3076**.

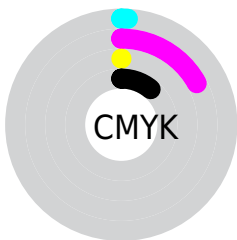
# Distribution



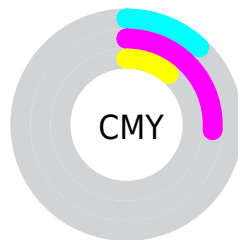
- Red (88%)
- Green (74%)
- Blue (89%)



- Red (88%)
- Yellow (74%)
- Blue (89%)



- Cyan (1%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (26%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1141, 57.9488, 80.5318 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 63.1141, 57.9488, 80.5318 by changing the saturation by 10% instead.





 63.1141, 57.9488,  
80.5318

 63.1141, 57.9488,  
80.5318


425.6365,  
416.9951, 516.4772

 46.1925, 41.7675,  
59.6273


 108.4150,  
101.8483, 135.9313

 32.6030, 28.9193,  
42.6950


137.5250,  
130.3353, 171.2634

 21.9803, 19.0198,  
29.3162


171.4286,  
163.6929, 212.2418

 13.9589, 11.6846,  
19.0726

210.4910,  
202.3056, 259.2851

 8.1736, 6.5293,  
11.5454

255.0776,  
246.5578, 312.8117

 4.2590, 3.1695,  
6.3162

305.5539,

 1.8497, 1.2209,

296.8339, 373.2402

2.9664

362.2851,  
353.5182, 440.9892

■ 0.5473, 0.0786,  
1.0775

■ 0.0000, 0.0000,  
0.0000

■ 63.1141, 57.9488,  
80.5318

■ 63.1141, 57.9488,  
80.5318

■ 58.2377, 48.7461,  
79.0134

■ 68.7607, 68.6863,  
82.3076

■ 54.0910, 40.9996,  
77.7367

■ 75.2056, 81.0173,  
84.3480

■ 50.6373, 34.6356,  
76.6903

■ 81.8062, 93.6560,  
86.4397

■ 47.8350, 29.5704,  
75.8604

■ 82.1878, 93.8527,  
86.4575

45.6378, 25.7115,  
75.2313

82.5720, 94.0508,  
86.4755

43.9934, 22.9544,  
74.7858

82.9589, 94.2502,  
86.4936

42.8405, 21.1765,  
74.5034

83.3484, 94.4510,  
86.5118

42.1009, 20.2214,  
74.3581

83.7405, 94.6532,  
86.5302

41.9060, 20.0016,  
74.3259

84.1353, 94.8567,  
86.5487

# Harmonies

## Analogous

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



59.0143, 57.9488, 91.3870



63.1141, 57.9488, 80.5318



65.0744, 57.9488, 66.0422

# Triad

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



63.1141, 57.9488, 80.5318



56.0978, 57.9488, 39.7267



46.8407, 57.9488, 74.7629

# Complementary

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



63.1141, 57.9488, 80.5318



58.1423, 69.6901, 58.5341

# 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.



46.1627, 57.9488, 60.2395



63.1141, 57.9488, 80.5318



51.3219, 57.9488, 41.3450

# Square

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



63.1141, 57.9488, 80.5318



60.8706, 57.9488, 43.5725



47.7558, 57.9488, 48.3788



49.6662, 57.9488, 87.7233



# Rectangle

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



63.1141, 57.9488, 80.5318



64.8253, 57.9488, 56.7928



47.7558, 57.9488, 48.3788



46.3614, 57.9488, 69.8500

# Sweetspot

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



63.1158, 57.9513, 80.5331



90.8702, 92.0062, 107.5773



53.6012, 53.8623, 80.2453



19.3288, 19.4618, 22.9877



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.



63.1158, 57.9513, 80.5331



79.9024, 71.1603, 104.1317



61.5774, 57.4084, 69.1590



14.9162, 14.5746, 18.1713



24.4713, 11.6813, 43.3481



1.8314, 0.8751, 3.2044



# Inverse Universe

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



59.2821, 56.4902, 57.0720



74.0567, 68.9353, 68.2316



59.5332, 70.1888, 68.4656



14.4076, 14.3802, 15.0808



18.5265, 9.5448, 1.1356



1.3799, 0.7097, 0.1413



# Previews

## White Background



This preview shows how the XYZ color 63.1141, 57.9488, 80.5318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

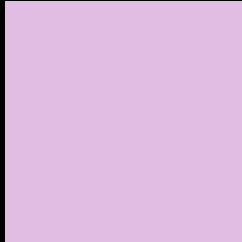
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1141, 57.9488, 80.5318 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 63.1141, 57.9488, 80.5318

## Background



This preview shows how black text looks on a background with the XYZ color 63.1141, 57.9488, 80.5318.



This preview shows how white text looks on a background with the XYZ color 63.1141, 57.9488,



# 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

63.1141, 57.9488, 80.5318

### Protanopia

57.3795, 58.1994, 85.3002

### Deuteranopia

59.2550, 57.9311, 80.0103



## Tritanopia

60.2363, 57.7339, 67.0004

# Trichromacy



## Original Color

63.1141, 57.9488, 80.5318

## Protanomaly

59.1157, 57.7789, 83.6380

## Deuteranomaly

60.5290, 57.9271, 79.9423

## Tritanomaly

61.1998, 57.8046, 71.5502

# Monochromacy



## Original Color

63.1141, 57.9488, 80.5318

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

59.4585, 59.5974, 70.6570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1141, 57.9488, 80.5318 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(225, 189, 227)` looks like.

```
.text, #text, p{  
    color:rgb(225, 189, 227)  
}
```

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(225, 189, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 189, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1141, 57.9488, 80.5318 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(225, 189, 227) }
```



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

```
.border{ border-color:rgb(225, 189, 227) }
```

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

Here you see how a box with a 4 pixel rgb(225, 189, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 189, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 189, 227);  
box-shadow:4px 4px 4px 4px rgb(225, 189,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1141, 57.9488, 80.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 189, 227) }
```

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

```
.background{ background-color: rgb(225,  
189, 227) }
```

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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