

# Converting Colors

XYZ(69.5515, 64.7439, 92.8814)

Have a look what the booklet for  
XYZ(69.5515, 64.7439, 92.8814)  
contains.

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# Color

**XYZ(69.6363, 64.7083,  
92.8241)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7C8F2
RGB	231, 200, 242
RGB Percent	91%, 78%, 95%
CMY	0.0941, 0.2157, 0.0510
CMYK	0.05, 0.17, 0.00, 0.05
HSL	284°, 62%, 87%
HSV	284°, 17%, 95%
XYZ	69.6363, 64.7083, 92.8241
YIQ	214.0570, 4.9940, 19.6340

# Conversions

## Conversions Part 2

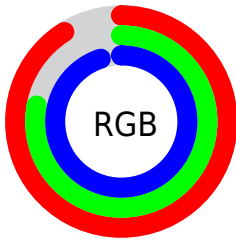
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 200, 242
Decimal	15190258
CIE Lab	84.33, 18.28, -16.65
CIE LCh	84, 24.727, 317.668
Yxy	64.7083, 0.3065, 0.2848
Android (android.graphics.Color)	4293380338 (0xFFE7C8F2)
YUV	214.0570, 13.7759, 14.8590
Hunter-Lab	80.4415, 13.7507, -12.1077

# Details

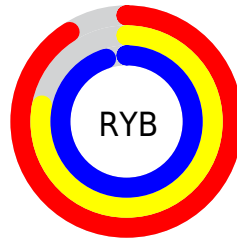
The XYZ color **69.6363, 64.7083, 92.8241** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.0437, 81.5249, 66.7437**, and the grayscale version is **63.8644, 67.1904, 73.1703**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8210, 33.2169, 50.9252** is the 20% darker color. If you saturate the color by 10%, you get **62.4608, 53.3387, 91.0087**, and if you desaturate by 10%, it is **77.7768, 77.8958, 94.9415**.

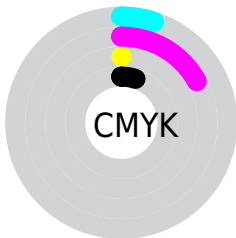
# Distribution



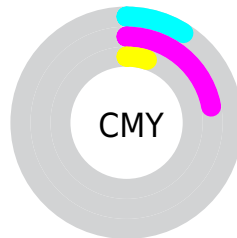
- Red (91%)
- Green (78%)
- Blue (95%)



- Red (91%)
- Yellow (78%)
- Blue (95%)



- Cyan (5%)
- Magenta (17%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (22%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6363, 64.7083, 92.8241 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 69.6363, 64.7083, 92.8241 by changing the saturation by 10% instead.



69.6363, 64.7083,  
92.8241

69.6363, 64.7083,  
92.8241

448.5583,  
441.7430, 557.9808

51.5086, 47.2246,  
69.7385

117.7190,  
111.6304, 153.2247

36.8362, 33.2132,  
50.8379

148.4048,  
141.8375, 191.3767

25.2538, 22.2898,  
35.7038

184.0073,  
177.0546, 235.3879

16.3960, 14.0700,  
23.9176

224.8919,  
217.6661, 285.6768

9.8974, 8.1694,  
15.0609

271.4240,  
264.0562, 342.6620

5.3927, 4.2035,  
8.7150

323.9688,

2.5166, 1.7881,

316.6095, 406.7620

4.4615

382.8918,  
375.7103, 478.3954

■ 0.9036, 0.4797,  
1.8818

■ 0.0000, 0.0000,  
0.4811

■ 69.6363, 64.7083,  
92.8241

■ 69.6363, 64.7083,  
92.8241

■ 62.4608, 53.3387,  
91.0087

■ 77.7768, 77.8958,  
94.9415

■ 56.2022, 43.6949,  
89.4771

■ 86.9162, 92.9709,  
97.3696

■ 50.8165, 35.6895,  
88.2158

■ 91.2176, 98.2580,  
98.1634

■ 46.2539, 29.2237,  
87.2082

■ 93.0272, 99.1909,  
98.2481

■ 42.4590, 24.1881,  
86.4363

■ 39.3692, 20.4584,  
85.8792

■ 36.9108, 17.8889,  
85.5128

■ 34.9878, 16.2886,  
85.3053

■ 34.5293, 15.9491,  
85.2639

# Harmonies

## Analogous

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



64.7609, 64.7083, 103.3432



69.6363, 64.7083, 92.8241



72.3958, 64.7083, 77.1083

# Triad

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



69.6363, 64.7083, 92.8241



63.7841, 64.7083, 44.8703



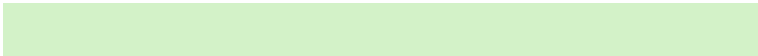
51.9890, 64.7083, 80.0293

# Complementary

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



69.6363, 64.7083, 92.8241



69.0437, 81.5249, 66.7437

# 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.



51.7622, 64.7083, 64.1983



69.6363, 64.7083, 92.8241



58.3568, 64.7083, 45.4112

# Square

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



69.6363, 64.7083, 92.8241



68.8847, 64.7083, 50.3983



54.0296, 64.7083, 52.0057



54.6690, 64.7083, 95.2345



# Rectangle

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



69.6363, 64.7083, 92.8241



72.5621, 64.7083, 66.5015



54.0296, 64.7083, 52.0057



51.6294, 64.7083, 74.5649

# Sweetspot

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



69.6383, 64.7111, 92.8255



89.8987, 91.5053, 107.5319



63.1930, 65.3810, 93.2945



19.0920, 19.3397, 22.9766



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.



69.6383, 64.7111, 92.8255



75.3086, 67.8997, 103.7445



71.8681, 66.0261, 85.4510



16.0267, 15.8110, 19.9287



18.6842, 8.6374, 45.8103



1.6470, 0.7663, 3.8153



# Inverse Universe

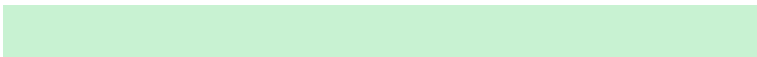
The Inverse Universe completely reimagines the original color for something new.



69.0323, 64.8918, 70.5180



74.5587, 68.1742, 73.8401



67.1818, 80.4285, 72.8284



15.9427, 15.8268, 17.2547



20.2068, 10.3551, 3.7395

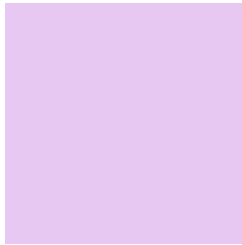


1.7205, 0.8773, 0.5192



# Previews

## White Background



This preview shows how the XYZ color 69.6363, 64.7083, 92.8241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

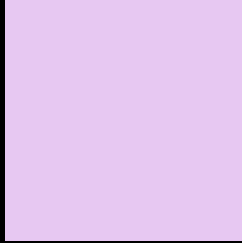
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6363, 64.7083, 92.8241 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 69.6363, 64.7083, 92.8241

## Background



This preview shows how black text looks on a background with the XYZ color 69.6363, 64.7083, 92.8241.



This preview shows how white text looks on a background with the XYZ color 69.6363, 64.7083,



# 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

69.6363, 64.7083, 92.8241

### Protanopia

64.3723, 65.0747, 97.9748

### Deuteranopia

66.3238, 64.7652, 92.2244



## Tritanopia

66.5060, 64.8470, 76.7216

# Trichromacy



## Original Color

69.6363, 64.7083, 92.8241

## Protanomaly

66.1464, 64.9426, 96.2377

## Deuteranomaly

67.3573, 64.5923, 92.1365

## Tritanomaly

67.6726, 64.9713, 82.3728

# Monochromacy



## Original Color

69.6363, 64.7083, 92.8241

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

65.7702, 66.1984, 79.8321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6363, 64.7083, 92.8241 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(231, 200, 242)` looks like.

```
.text, #text, p{  
    color:rgb(231, 200, 242)  
}
```

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(231, 200, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 200, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6363, 64.7083, 92.8241 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(231, 200, 242) }
```



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

```
.border{ border-color:rgb(231, 200, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 200, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 200, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 200, 242);  
box-shadow:4px 4px 4px 4px rgb(231, 200,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6363, 64.7083, 92.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 200, 242) }
```

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

```
.background{ background-color: rgb(231,  
200, 242) }
```

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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