

# Converting Colors

XYZ(70.2558, 63.8958, 90.8349)

Have a look what the booklet for  
XYZ(70.2558, 63.8958, 90.8349)  
contains.

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# Color

**XYZ(70.2865, 64.0566,  
91.0977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECC5F0
RGB	236, 197, 240
RGB Percent	93%, 77%, 94%
CMY	0.0745, 0.2274, 0.0588
CMYK	0.02, 0.18, 0.00, 0.06
HSL	294°, 59%, 86%
HSV	294°, 18%, 94%
XYZ	70.2865, 64.0566, 91.0977
YIQ	213.5630, 9.4410, 21.6410

# Conversions

## Conversions Part 2

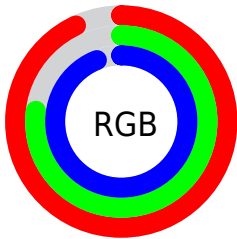
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 197, 240
Decimal	15517168
CIE Lab	84.00, 21.13, -16.05
CIE LCh	84, 26.539, 322.784
Yxy	64.0566, 0.3118, 0.2841
Android (android.graphics.Color)	4293707248 (0xFFECC5F0)
YUV	213.5630, 13.0334, 19.6772
Hunter-Lab	80.0354, 16.6956, -11.4602

# Details

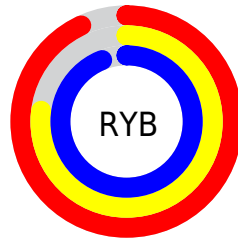
The XYZ color **70.2865, 64.0566, 91.0977** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.3277, 78.7705, 64.5875**, and the grayscale version is **63.5354, 66.8442, 72.7934**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **37.2966, 32.8089, 49.7144** is the 20% darker color. If you saturate the color by 10%, you get **64.5289, 53.6338, 89.3903**, and if you desaturate by 10%, it is **76.9248, 76.2248, 93.0975**.

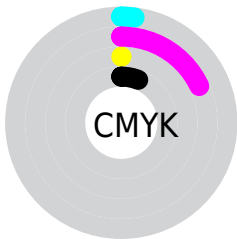
# Distribution



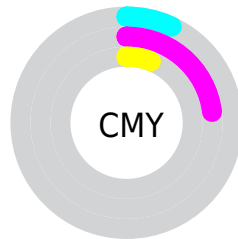
- Red (93%)
- Green (77%)
- Blue (94%)



- Red (93%)
- Yellow (77%)
- Blue (94%)



- Cyan (2%)
- Magenta (18%)
- Yellow (0%)
- Black (6%)



- Cyan (7%)
- Magenta (23%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2865, 64.0566, 91.0977 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 70.2865, 64.0566, 91.0977 by changing the saturation by 10% instead.



70.2865, 64.0566,  
91.0977

70.2865, 64.0566,  
91.0977

450.8061,  
439.3940, 552.2572

52.0406, 46.6965,  
68.3126

118.6413,  
110.6924, 150.8110

37.2618, 32.7958,  
49.6838

149.4808,  
140.7370, 188.5763

25.5849, 21.9701,  
34.7928

185.2490,  
175.7785, 232.1721

16.6444, 13.8349,  
23.2210

226.3111,  
216.2013, 282.0169

10.0750, 8.0059,  
14.5500

273.0325,  
262.3899, 338.5293

5.5114, 4.0987,  
8.3611

325.7785,

2.5881, 1.7290,

314.7286, 402.1278

4.2358

384.9146,  
373.6019, 473.2309

■ 0.9399, 0.4423,  
1.7556

■ 0.0000, 0.0000,  
0.3984

■ 70.2865, 64.0566,  
91.0977

■ 70.2865, 64.0566,  
91.0977

■ 64.5289, 53.6338,  
89.3903

■ 76.9248, 76.2248,  
93.0975

■ 59.6051, 44.8662,  
87.9575

■ 84.4762, 90.2065,  
95.3982

■ 55.4729, 37.6679,  
86.7859

■ 88.3467, 96.8125,  
96.4693

■ 52.0837, 31.9422,  
85.8593

■ 89.1207, 97.2115,  
96.5055

49.3839, 27.5815,  
85.1599

89.9040, 97.6153,  
96.5422

47.3121, 24.4636,  
84.6673

90.6968, 98.0240,  
96.5793

45.7965, 22.4444,  
84.3575

91.4990, 98.4376,  
96.6168

44.7386, 21.3273,  
84.1976

92.3107, 98.8560,  
96.6548

44.5452, 21.1470,  
84.1730

92.7284, 99.0713,  
96.6744

# Harmonies

## Analogous

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



65.3438, 64.0566, 103.8567



70.2865, 64.0566, 91.0977



72.7368, 64.0566, 73.8714

# Triad

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



70.2865, 64.0566, 91.0977



62.3076, 64.0566, 42.4241



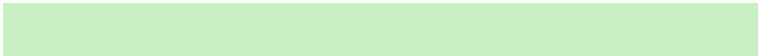
51.0924, 64.0566, 82.9783

# Complementary

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



70.2865, 64.0566, 91.0977



65.3277, 78.7705, 64.5875

# 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.



50.3941, 64.0566, 65.7786



70.2865, 64.0566, 91.0977



56.6316, 64.0566, 44.0659

# Square

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



70.2865, 64.0566, 91.0977



67.9425, 64.0566, 47.1125



52.3596, 64.0566, 52.0233



54.3319, 64.0566, 98.6697



# Rectangle

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



70.2865, 64.0566, 91.0977



72.5234, 64.0566, 62.8597



52.3596, 64.0566, 52.0233



50.5615, 64.0566, 77.1193

# Sweetspot

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



70.2884, 64.0594, 91.0991



90.6816, 91.9089, 107.5685



59.7134, 60.0779, 90.8879



19.2828, 19.4381, 22.9856



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.



70.2884, 64.0594, 91.0991



78.4728, 69.5309, 103.8926



69.1957, 63.7774, 78.3360



16.3009, 15.9523, 19.9416



24.4453, 11.6074, 46.0799



2.0755, 0.9872, 3.8354



# Inverse Universe

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



66.4462, 62.6776, 63.8571



73.4247, 67.7206, 67.8690



66.3514, 79.0573, 75.5172



15.8325, 15.7827, 16.6742



19.7733, 10.1817, 1.4566



1.6651, 0.8551, 0.2271



# Previews

## White Background



This preview shows how the XYZ color 70.2865, 64.0566, 91.0977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

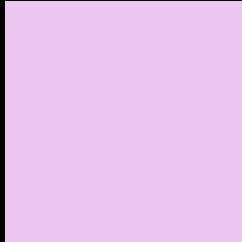
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.2865, 64.0566, 91.0977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

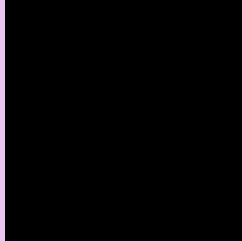
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.2865, 64.0566, 91.0977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.2865, 64.0566, 91.0977.



This preview shows how white text looks on a background with the XYZ color 70.2865, 64.0566,



# 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

70.2865, 64.0566, 91.0977

### Protanopia

63.7015, 64.3837, 97.0656

### Deuteranopia

65.4918, 64.0167, 90.5660



## Tritanopia

67.0153, 64.1067, 74.4874

# Trichromacy



## Original Color

70.2865, 64.0566, 91.0977

## Protanomaly

65.6536, 64.0135, 94.4835

## Deuteranomaly

66.8981, 63.6933, 90.4295

## Tritanomaly

68.1766, 64.2372, 80.0399

# Monochromacy



## Original Color

70.2865, 64.0566, 91.0977

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

65.9994, 65.9691, 79.0668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.2865, 64.0566, 91.0977 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(236, 197, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 197, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 70.2865, 64.0566, 91.0977 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, 240) }
```



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

```
.border{ border-color:rgb(236, 197, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 197, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 197, 240);  
box-shadow:4px 4px 4px 4px rgb(236, 197,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.2865, 64.0566, 91.0977 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, 240) }
```

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

```
.background{ background-color: rgb(236,  
197, 240) }
```

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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