

# Converting Colors

XYZ(70.6977, 63.9043, 92.6142)

Have a look what the booklet for  
XYZ(70.6977, 63.9043, 92.6142)  
contains.

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# Color

**XYZ(70.6920, 63.8952,  
92.6115)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDC4F2
RGB	237, 196, 242
RGB Percent	93%, 77%, 95%
CMY	0.0706, 0.2314, 0.0510
CMYK	0.02, 0.19, 0.00, 0.05
HSL	293°, 64%, 86%
HSV	293°, 19%, 95%
XYZ	70.6920, 63.8952, 92.6115
YIQ	213.5030, 9.6700, 22.9980

# Conversions

## Conversions Part 2

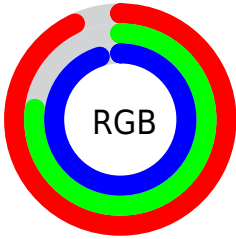
Format	Color
R <sub>Y</sub> B	237, 196, 242
Decimal	15582450
CIE Lab	83.91, 22.36, -17.23
CIE LCh	84, 28.235, 322.382
Yxy	63.8952, 0.3111, 0.2812
Android (android.graphics.Color)	4293772530 (0xFFEDC4F2)
YUV	213.5030, 14.0490, 20.6069
Hunter-Lab	79.9345, 17.9755, -12.7388

# Details

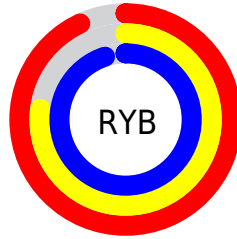
The XYZ color **70.6920, 63.8952, 92.6115** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.8056, 79.9089, 64.1834**, and the grayscale version is **63.4886, 66.7949, 72.7397**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **37.5920, 32.7149, 50.7877** is the 20% darker color. If you saturate the color by 10%, you get **64.7964, 53.3972, 90.8969**, and if you desaturate by 10%, it is **77.4847, 76.1661, 94.6230**.

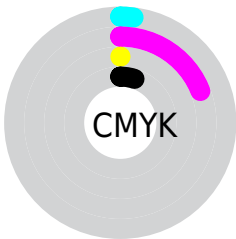
# Distribution



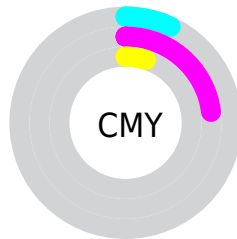
- Red (93%)
- Green (77%)
- Blue (95%)



- Red (93%)
- Yellow (77%)
- Blue (95%)



- Cyan (2%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)




- Cyan (7%)
- Magenta (23%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6920, 63.8952, 92.6115 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 70.6920, 63.8952, 92.6115 by changing the saturation by 10% instead.



 70.6920, 63.8952,  
92.6115

 70.6920, 63.8952,  
92.6115


452.2046,  
438.8111, 557.2777

 52.3725, 46.5658,  
69.5628


119.2160,  
110.4600, 152.9277

 37.5276, 32.6925,  
50.6956

150.1512,  
140.4642, 191.0322

 25.7918, 21.8910,  
35.5913


186.0223,  
175.4621, 234.9924

 16.7998, 13.7768,  
23.8316

227.1947,  
215.8381, 285.2269

 10.1863, 7.9656,  
14.9977

274.0338,  
261.9766, 342.1541

 5.5858, 4.0730,  
8.6711

326.9049,

 2.6332, 1.7145,

314.2620, 406.1926

4.4334

386.1734,  
373.0787, 477.7609

■ 0.9629, 0.4330,  
1.8660

■ 0.0000, 0.0000,  
0.4710

■ 70.6920, 63.8952,  
92.6115

■ 70.6920, 63.8952,  
92.6115

■ 64.7964, 53.3972,  
90.8969

■ 77.4847, 76.1661,  
94.6230

■ 59.7499, 44.5795,  
89.4609

■ 85.2082, 90.2803,  
96.9402

■ 55.5089, 37.3537,  
88.2897

■ 89.4060, 97.3241,  
98.0785

■ 52.0233, 31.6199,  
87.3666

■ 90.3298, 97.8003,  
98.1218

■ 49.2375, 27.2670,  
86.6733

■ 91.2666, 98.2833,  
98.1656

■ 47.0881, 24.1681,  
86.1884

■ 92.2166, 98.7730,  
98.2101

■ 45.5000, 22.1731,  
85.8870

■ 93.0272, 99.1909,  
98.2480

■ 44.3599, 21.0557,  
85.7314

■ 44.2567, 20.9637,  
85.7191

# Harmonies

## Analogous

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



65.3934, 63.8952, 106.2403



70.6920, 63.8952, 92.6115



73.3562, 63.8952, 74.2056

# Triad

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



70.6920, 63.8952, 92.6115



62.3279, 63.8952, 40.8735



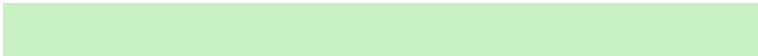
50.3413, 63.8952, 83.4272

# Complementary

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



70.6920, 63.8952, 92.6115



65.8056, 79.9089, 64.1834

# 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.



49.6435, 63.8952, 65.1336



70.6920, 63.8952, 92.6115



56.2947, 63.8952, 42.4903

# Square

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



70.6920, 63.8952, 92.6115



68.3174, 63.8952, 45.8394



51.7517, 63.8952, 50.7089



53.7271, 63.8952, 100.3388



# Rectangle

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



70.6920, 63.8952, 92.6115



73.1608, 63.8952, 62.4904



51.7517, 63.8952, 50.7089



49.7944, 63.8952, 77.1673

# Sweetspot

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



70.6939, 63.8980, 92.6129



89.7527, 90.3096, 107.3088



59.7669, 60.0941, 92.4546



19.0923, 19.1141, 22.9331



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.



70.6939, 63.8980, 92.6129



76.8024, 66.9289, 103.4784



69.8642, 63.7616, 79.4090



16.2752, 15.9391, 19.9404



23.8463, 11.2986, 46.0519



2.0318, 0.9647, 3.8333



# Inverse Universe

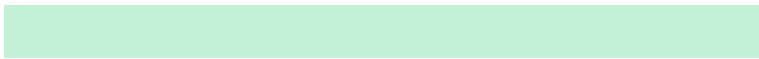
The Inverse Universe completely reimagines the original color for something new.



66.9027, 62.5770, 63.8137



71.8057, 65.1966, 65.1278



66.6101, 80.0779, 75.3215



15.8426, 15.7868, 16.7275



19.7973, 10.1914, 1.5835

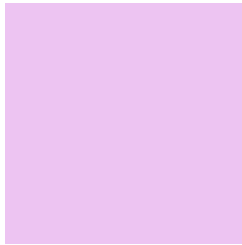


1.6699, 0.8570, 0.2525



# Previews

## White Background



This preview shows how the XYZ color 70.6920, 63.8952, 92.6115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

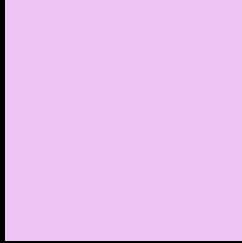
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6920, 63.8952, 92.6115 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 70.6920, 63.8952, 92.6115**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6920, 63.8952, 92.6115.



This preview shows how white text looks on a background with the XYZ color 70.6920, 63.8952,



# 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

70.6920, 63.8952, 92.6115

### Protanopia

63.8986, 64.4314, 99.5112

### Deuteranopia

65.3454, 63.9241, 91.3326



## Tritanopia

66.8856, 64.0548, 73.8043

# Trichromacy



## Original Color

70.6920, 63.8952, 92.6115

## Protanomaly

66.1129, 64.1973, 96.9025

## Deuteranomaly

67.1953, 63.8121, 91.9945

## Tritanomaly

67.9457, 63.7755, 79.9629

# Monochromacy



## Original Color

70.6920, 63.8952, 92.6115

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

65.8916, 65.5371, 79.6981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6920, 63.8952, 92.6115 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(237, 196, 242)` looks like.

```
.text, #text, p{  
    color:rgb(237, 196, 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(237, 196, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 196, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6920, 63.8952, 92.6115 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(237, 196, 242) }
```



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

```
.border{ border-color:rgb(237, 196, 242) }
```

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

Here you see how a box with a 4 pixel rgb(237, 196, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 196, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 196, 242);  
box-shadow:4px 4px 4px 4px rgb(237, 196,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6920, 63.8952, 92.6115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 196, 242) }
```

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

```
.background{ background-color: rgb(237,  
196, 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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