

# Converting Colors

XYZ(71.1320, 61.6935, 90.7107)

Have a look what the booklet for  
XYZ(71.1320, 61.6935, 90.7107)  
contains.

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# Color

**XYZ(71.0196, 61.4908,  
90.5638)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4BCF0
RGB	244, 188, 240
RGB Percent	96%, 74%, 94%
CMY	0.0431, 0.2627, 0.0588
CMYK	0.00, 0.23, 0.02, 0.04
HSL	304°, 72%, 85%
HSV	304°, 23%, 96%
XYZ	71.0196, 61.4908, 90.5638
YIQ	210.6720, 16.6840, 28.0440

# Conversions

## Conversions Part 2

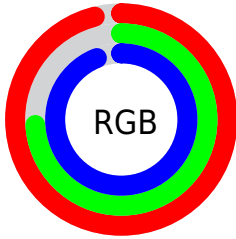
Format	Color
<a href="#">RYB</a>	<a href="#">244, 188, 240</a>
Decimal	<a href="#">16039152</a>
CIELab	<a href="#">82.64, 28.53, -18.02</a>
CIELCh	<a href="#">83, 33.746, 327.733</a>
Yxy	<a href="#">61.4908, 0.3184, 0.2757</a>
Android (android.graphics.Color)	<a href="#">4294229232</a> ( <a href="#">0xFFFF4BCF0</a> )
YUV	<a href="#">210.6720, 14.4587, 29.2287</a>
Hunter-Lab	<a href="#">78.4161, 24.4352, -13.5836</a>

# Details

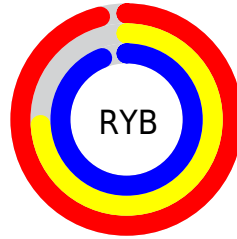
The XYZ color **71.0196, 61.4908, 90.5638** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **62.6066, 79.2003, 61.8601**, and the grayscale version is **61.6021, 64.8102, 70.5783**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **37.6703, 31.0757, 49.3602** is the 20% darker color. If you saturate the color by 10%, you get **65.9842, 51.8315, 87.6145**, and if you desaturate by 10%, it is **76.9424, 72.9189, 93.8226**.

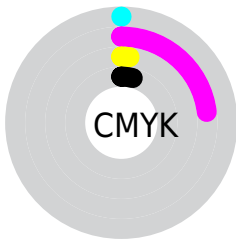
# Distribution



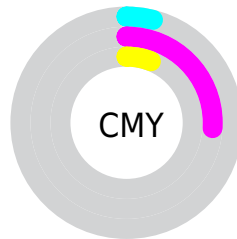
- Red (96%)
- Green (74%)
- Blue (94%)



- Red (96%)
- Yellow (74%)
- Blue (94%)



- Cyan (0%)
- Magenta (23%)
- Yellow (2%)
- Black (4%)




- Cyan (4%)
- Magenta (26%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0196, 61.4908, 90.5638 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 71.0196, 61.4908, 90.5638 by changing the saturation by 10% instead.





 71.0196, 61.4908,  
90.5638

 71.0196, 61.4908,  
90.5638


453.3327,  
430.0713, 550.4805

 52.6408, 44.6214,  
67.8720

 119.6800,  
106.9893, 150.0636

 37.7424, 31.1593,  
49.3276


150.6923,  
136.3871, 187.7088

 25.9591, 20.7202,  
34.5120


186.6464,  
170.7298, 231.1754

 16.9256, 12.9196,  
23.0066

227.9078,  
210.4019, 280.8822

 10.2764, 7.3732,  
14.3931

274.8418,  
255.7877, 337.2475

 5.6463, 3.6966,  
8.2527

327.8137,

 2.6698, 1.5053,

307.2716, 400.6900

4.1670

387.1889,  
365.2380, 471.6281

■ 0.9817, 0.2925,  
1.7174

■ 0.0000, 0.0000,  
0.3726

■ 71.0196, 61.4908,  
90.5638

■ 71.0196, 61.4908,  
90.5638

■ 65.9842, 51.8315,  
87.6145

■ 76.9424, 72.9189,  
93.8226

■ 61.7863, 43.8442,  
84.9558

■ 83.7881, 86.1899,  
97.4007

■ 58.3797, 37.4354,  
82.5732

■ 89.5854, 97.3600,  
100.6416

■ 55.7112, 32.4990,  
80.4487

■ 89.8532, 97.4671,  
102.0517

53.7214, 28.9160,  
78.5627

90.1235, 97.5753,  
103.4751

52.3414, 26.5489,  
76.8920

90.3963, 97.6844,  
104.9117

51.4881, 25.2309,  
75.4089

90.6716, 97.7945,  
106.3617

51.1146, 24.7557,  
74.4465

90.9495, 97.9057,  
107.8250

91.1187, 97.9734,  
108.7160

# Harmonies

## Analogous

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



65.1632, 61.4908, 108.7880



71.0196, 61.4908, 90.5638



73.4824, 61.4908, 68.5421

# Triad

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



71.0196, 61.4908, 90.5638



58.9974, 61.4908, 34.5032



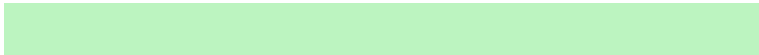
46.9726, 61.4908, 87.2647

# Complementary

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



71.0196, 61.4908, 90.5638



62.6066, 79.2003, 61.8601

# 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.



45.6135, 61.4908, 65.3887



71.0196, 61.4908, 90.5638



52.2055, 61.4908, 37.5093

# Square

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



71.0196, 61.4908, 90.5638



66.1938, 61.4908, 38.5910



47.4501, 61.4908, 47.8501



51.3261, 61.4908, 106.6234



# Rectangle

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



71.0196, 61.4908, 90.5638



72.7274, 61.4908, 55.5329



47.4501, 61.4908, 47.8501



46.1670, 61.4908, 79.8404

# Sweetspot

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



71.0215, 61.4935, 90.5651



89.4130, 89.0534, 106.0115



55.9858, 53.6729, 92.9983



19.0392, 18.8695, 22.6393



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.



71.0215, 61.4935, 90.5651



75.5370, 62.2708, 98.3978



67.2110, 59.9693, 70.4992



17.1595, 16.7467, 20.5866



27.8146, 13.4693, 40.5936



2.4597, 1.1898, 3.6470



# Inverse Universe

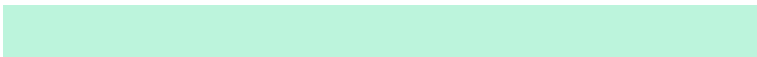
The Inverse Universe completely reimagines the original color for something new.



71.0215, 61.4935, 90.5651



75.5370, 62.2708, 98.3978



65.9749, 80.5477, 79.5974



17.1595, 16.7467, 20.5866



27.8146, 13.4693, 40.5936



2.4597, 1.1898, 3.6470



# Previews

## White Background



This preview shows how the XYZ color 71.0196, 61.4908, 90.5638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

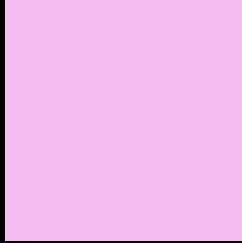
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0196, 61.4908, 90.5638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

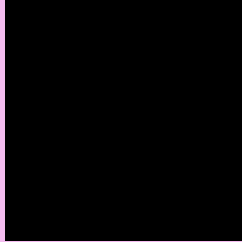
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.0196, 61.4908, 90.5638**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0196, 61.4908, 90.5638.



This preview shows how white text looks on a background with the XYZ color 71.0196, 61.4908,

90.5638.

# 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

71.0196, 61.4908, 90.5638

### Protanopia

61.7704, 61.8865, 99.9564

### Deuteranopia

63.1832, 61.7952, 89.4865



## Tritanopia

66.7356, 61.7123, 68.7159

# Trichromacy



## Original Color

71.0196, 61.4908, 90.5638



## Protanomaly

64.4232, 61.2497, 96.4226



## Deuteranomaly

65.7513, 61.3998, 90.0472



## Tritanomaly

68.0435, 61.5674, 76.0076

# Monochromacy



## Original Color

71.0196, 61.4908, 90.5638



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

64.9722, 63.6738, 77.9731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0196, 61.4908, 90.5638 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(244, 188, 240)` looks like.

```
.text, #text, p{  
    color:rgb(244, 188, 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(244, 188, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 188, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0196, 61.4908, 90.5638 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(244, 188, 240) }
```



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

```
.border{ border-color:rgb(244, 188, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 188, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 188, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 188, 240);  
box-shadow:4px 4px 4px 4px rgb(244, 188,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0196, 61.4908, 90.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 188, 240) }
```

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

```
.background{ background-color: rgb(244,  
188, 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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