

# Converting Colors

XYZ(68.6669, 60.5789, 91.2929)

Have a look what the booklet for  
XYZ(68.6669, 60.5789, 91.2929)  
contains.

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# Color

**XYZ(68.6669, 60.5789,  
91.2929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECBDF1
RGB	236, 189, 241
RGB Percent	93%, 74%, 95%
CMY	0.0745, 0.2588, 0.0549
CMYK	0.02, 0.22, 0.00, 0.05
HSL	294°, 65%, 84%
HSV	294°, 22%, 95%
XYZ	68.6669, 60.5789, 91.2929
YIQ	208.9810, 11.3200, 26.1360

# Conversions

## Conversions Part 2

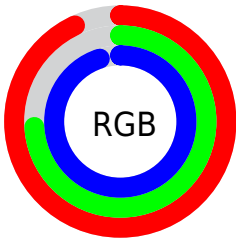
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">236, 189, 241</a>
Decimal	<a href="#">15515121</a>
CIELab	<a href="#">82.15, 25.58, -19.36</a>
CIELCh	<a href="#">82, 32.083, 322.874</a>
Yxy	<a href="#">60.5789, 0.3114, 0.2747</a>
Android (android.graphics.Color)	<a href="#">4293705201 (0xFFECCBDF1)</a>
YUV	<a href="#">208.9810, 15.7854, 23.6957</a>
Hunter-Lab	<a href="#">77.8324, 21.2731, -15.0610</a>

# Details

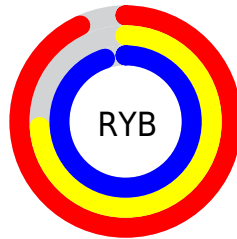
The XYZ color **68.6669, 60.5789, 91.2929** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **62.8908, 78.0556, 59.8985**, and the grayscale version is **60.4887, 63.6388, 69.3026**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **36.2433, 30.5340, 49.8824** is the 20% darker color. If you saturate the color by 10%, you get **63.1436, 50.6661, 89.6715**, and if you desaturate by 10%, it is **75.0652, 72.2248, 93.2045**.

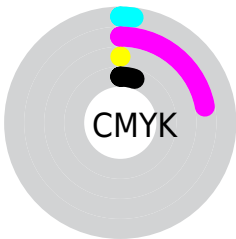
# Distribution



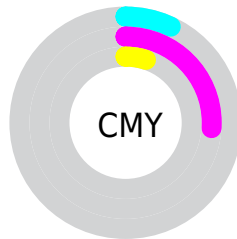
- Red (93%)
- Green (74%)
- Blue (95%)



- Red (93%)
- Yellow (74%)
- Blue (95%)



- Cyan (2%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)




- Cyan (7%)
- Magenta (26%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6669, 60.5789, 91.2929 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 68.6669, 60.5789, 91.2929 by changing the saturation by 10% instead.





 68.6669, 60.5789,  
91.2929

 68.6669, 60.5789,  
91.2929


445.1950,  
426.7283, 552.9059

 50.7161, 43.8854,  
68.4737


 116.3424,  
105.6690, 151.0842

 36.2029, 30.5804,  
49.8141


146.7978,  
134.8344, 188.8933

 24.7618, 20.2796,  
34.8956

182.1521,  
168.9258, 232.5363

 16.0274, 12.5984,  
23.2996

222.7707,  
208.3278, 282.4315

 9.6345, 7.1526,  
14.6075

269.0189,  
253.4246, 338.9975

 5.2177, 3.5577,  
8.4008

321.2622,

 2.4116, 1.4294,

304.6007, 402.6529

4.2610

379.8658,  
362.2405, 473.8162

■ 0.8509, 0.2382,  
1.7696

■ 0.0000, 0.0000,  
0.4078

■ 68.6669, 60.5789,  
91.2929

■ 68.6669, 60.5789,  
91.2929

■ 63.1436, 50.6661,  
89.6715

■ 75.0652, 72.2248,  
93.2045

■ 58.4473, 42.3933,  
88.3223

■ 82.3726, 85.6751,  
95.4155

■ 54.5335, 35.6711,  
87.2310

■ 88.5834, 96.9173,  
97.2581

■ 51.3516, 30.3980,  
86.3809

■ 89.3880, 97.3321,  
97.2958

48.8447, 26.4603,  
85.7530

90.2028, 97.7521,  
97.3339

46.9477, 23.7278,  
85.3255

91.0277, 98.1774,  
97.3725

45.5821, 22.0437,  
85.0724

91.8627, 98.6079,  
97.4116

44.7398, 21.2301,  
84.9598

92.7081, 99.0437,  
97.4511

92.8774, 99.1309,  
97.4591

# Harmonies

## Analogous

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



62.8218, 60.5789, 106.9146



68.6669, 60.5789, 91.2929



71.5792, 60.5789, 70.7240

# Triad

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



68.6669, 60.5789, 91.2929



59.2187, 60.5789, 35.2983



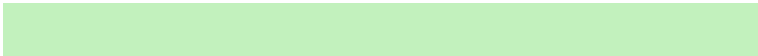
46.3329, 60.5789, 81.6439

# Complementary

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



68.6669, 60.5789, 91.2929



62.8908, 78.0556, 59.8985

# 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.



45.5339, 60.5789, 61.4151



68.6669, 60.5789, 91.2929



52.6352, 60.5789, 37.0812

# Square

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



68.6669, 60.5789, 91.2929



65.8521, 60.5789, 40.3422



47.7530, 60.5789, 45.8093



50.0285, 60.5789, 100.6209



# Rectangle

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



68.6669, 60.5789, 91.2929



71.3157, 60.5789, 57.9493



47.7530, 60.5789, 45.8093



45.7292, 60.5789, 74.6771

# Sweetspot

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



68.6688, 60.5815, 91.2942



89.8227, 90.3457, 107.3120



56.2023, 55.8452, 91.0371



19.1089, 19.1227, 22.9338



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.



68.6688, 60.5815, 91.2942



75.1166, 63.5572, 102.9164



67.4199, 60.2764, 75.9321



16.2957, 15.9497, 19.9413



24.3247, 11.5452, 46.0743



2.0667, 0.9827, 3.8350



# Inverse Universe

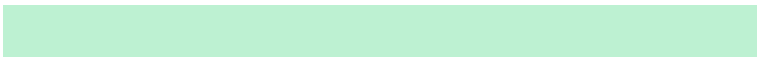
The Inverse Universe completely reimagines the original color for something new.



64.2128, 58.9936, 59.0441



69.2319, 61.4698, 59.8899



64.0516, 78.3741, 72.5964



15.8345, 15.7835, 16.6848



19.7778, 10.1836, 1.4807



1.6660, 0.8555, 0.2322



# Previews

## White Background



This preview shows how the XYZ color 68.6669, 60.5789, 91.2929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

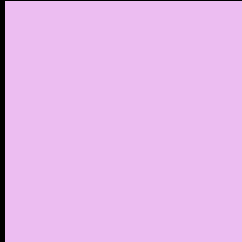
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6669, 60.5789, 91.2929 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 68.6669, 60.5789, 91.2929**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.6669, 60.5789, 91.2929.



This preview shows how white text looks on a background with the XYZ color 68.6669, 60.5789,



# 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

68.6669, 60.5789, 91.2929

### Protanopia

60.8594, 61.0833, 99.0251

### Deuteranopia

62.2467, 60.9504, 90.1452



## Tritanopia

64.4267, 60.8392, 69.3202

# Trichromacy



**Original Color**

68.6669, 60.5789, 91.2929

**Protanomaly**

63.2771, 60.6589, 96.3690

**Deuteranomaly**

64.3815, 60.6766, 90.7565

**Tritanomaly**

65.7254, 60.6840, 76.6557

# Monochromacy



**Original Color**

68.6669, 60.5789, 91.2929

**Achromatopsia**

60.6036, 63.7597, 69.4343

**Achromatomaly**

63.3851, 62.5216, 77.1337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6669, 60.5789, 91.2929 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, 189, 241)` looks like.

```
.text, #text, p{  
    color:rgb(236, 189, 241)  
}
```

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, 189, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 189, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6669, 60.5789, 91.2929 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, 189, 241) }
```



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

```
.border{ border-color:rgb(236, 189, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 189, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 189, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 189, 241);  
box-shadow:4px 4px 4px 4px rgb(236, 189,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6669, 60.5789, 91.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 189, 241) }
```

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

```
.background{ background-color: rgb(236,  
189, 241) }
```

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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