

# Converting Colors

XYZ(70.2313, 67.0661, 95.6297)

Have a look what the booklet for  
XYZ(70.2313, 67.0661, 95.6297)  
contains.

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# Color

**XYZ(70.2313, 67.0661,  
95.6297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3CEF5
RGB	227, 206, 245
RGB Percent	89%, 81%, 96%
CMY	0.1098, 0.1921, 0.0392
CMYK	0.07, 0.16, 0.00, 0.04
HSL	272°, 66%, 88%
HSV	272°, 16%, 96%
XYZ	70.2313, 67.0661, 95.6297
YIQ	216.7250, -0.0030, 16.5810

# Conversions

## Conversions Part 2

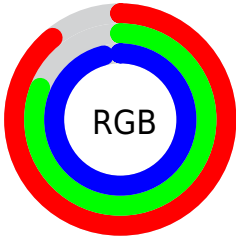
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 206, 245
Decimal	14929653
CIE Lab	85.54, 14.37, -16.47
CIE LCh	86, 21.855, 311.108
Yxy	67.0661, 0.3015, 0.2879
Android (android.graphics.Color)	4293119733 (0xFFE3CEF5)
YUV	216.7250, 13.9396, 9.0112
Hunter-Lab	81.8939, 9.7653, -11.9088

# Details

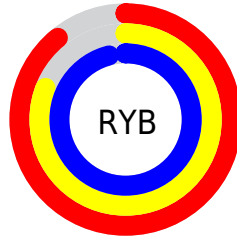
The XYZ color **70.2313, 67.0661, 95.6297** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.5359, 85.6101, 70.9917**, and the grayscale version is **65.6745, 69.0947, 75.2441**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2081, 34.7885, 52.8979** is the 20% darker color. If you saturate the color by 10%, you get **61.3368, 54.3984, 93.6544**, and if you desaturate by 10%, it is **80.2835, 81.6988, 97.9253**.

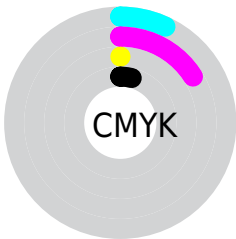
# Distribution



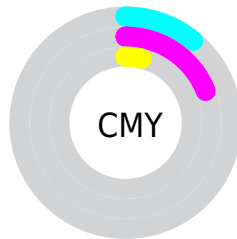
- Red (89%)
- Green (81%)
- Blue (96%)



- Red (89%)
- Yellow (81%)
- Blue (96%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (19%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2313, 67.0661, 95.6297 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 70.2313, 67.0661, 95.6297 by changing the saturation by 10% instead.



70.2313, 67.0661,  
95.6297

70.2313, 67.0661,  
95.6297

450.6155,  
450.1800, 567.2147

51.9954, 49.1383,  
72.0594

118.5630,  
115.0151, 157.1373

37.2257, 34.7292,  
52.7201

149.3895,  
145.8052, 195.9117

25.5567, 23.4544,  
37.1932

185.1437,  
181.6515, 240.5913

16.6233, 14.9294,  
25.0601

226.1907,  
222.9384, 291.5945

10.0599, 8.7698,  
15.9024

272.8961,  
270.0503, 349.3399

5.5013, 4.5914,  
9.3015

325.6251,

2.5820, 2.0096,

323.3716, 414.2460

4.8389

384.7431,  
383.2867, 486.7314

■ 0.9368, 0.6130,  
2.0960

■ 0.0000, 0.0000,  
0.6134

■ 70.2313, 67.0661,  
95.6297

■ 70.2313, 67.0661,  
95.6297

■ 61.3368, 54.3984,  
93.6544

■ 80.2835, 81.6988,  
97.9253

■ 53.5469, 43.6001,  
91.9807

■ 91.5295, 98.3663,  
100.5497

■ 46.8133, 34.5799,  
90.5945

■ 93.4816, 99.3727,  
100.6411

■ 41.0813, 27.2356,  
89.4790

■ 36.2907, 21.4540,  
88.6156

■ 32.3738, 17.1074,  
87.9830

■ 29.2524, 14.0470,  
87.5568

■ 26.8305, 12.0889,  
87.3065

■ 25.9843, 11.4914,  
87.2358

# Harmonies

## Analogous

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



65.6018, 67.0661, 103.2823



70.2313, 67.0661, 95.6297



73.2130, 67.0661, 82.2418

# Triad

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



70.2313, 67.0661, 95.6297



66.8866, 67.0661, 50.0838



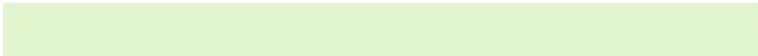
54.8253, 67.0661, 78.4202

# Complementary

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



70.2313, 67.0661, 95.6297



74.5359, 85.6101, 70.9917

# 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.



55.1294, 67.0661, 64.5213



70.2313, 67.0661, 95.6297



61.9222, 67.0661, 49.3401

# Square

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



70.2313, 67.0661, 95.6297



71.2138, 67.0661, 56.4777



57.6696, 67.0661, 54.2943



56.8163, 67.0661, 92.5213



# Rectangle

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



70.2313, 67.0661, 95.6297



73.7767, 67.0661, 72.4962



57.6696, 67.0661, 54.2943



54.6653, 67.0661, 73.5535

# Sweetspot

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



70.2333, 67.0689, 95.6312



88.9845, 91.0341, 107.4891



68.6470, 73.1359, 96.8858



18.8696, 19.2250, 22.9662



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.



70.2333, 67.0689, 95.6312



73.7398, 68.8905, 104.0184



76.0130, 70.0713, 94.8693



16.4335, 16.3661, 20.8354



14.1598, 6.2740, 47.0027



1.3630, 0.6125, 4.1366



# Inverse Universe

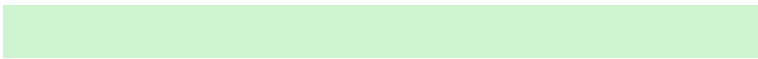
The Inverse Universe completely reimagines the original color for something new.



73.1844, 68.9399, 79.9737



77.5747, 71.3202, 83.7426



69.4077, 82.9481, 71.5796



16.8173, 16.6098, 18.7846



21.9627, 11.1285, 9.7779



1.9816, 0.9986, 1.1295



# Previews

## White Background



This preview shows how the XYZ color 70.2313, 67.0661, 95.6297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

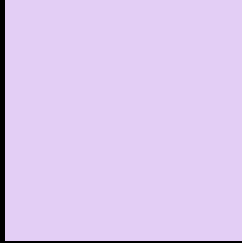
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.2313, 67.0661, 95.6297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

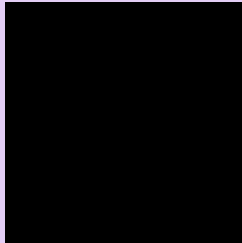
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.2313, 67.0661, 95.6297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.2313, 67.0661, 95.6297.



This preview shows how white text looks on a background with the XYZ color 70.2313, 67.0661,

95.6297.

# 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

70.2313, 67.0661, 95.6297

### Protanopia

66.3745, 67.1919, 99.0936

### Deuteranopia

68.5525, 66.9200, 95.6899



## Tritanopia

67.2684, 66.9392, 81.3266

# Trichromacy



## Original Color

70.2313, 67.0661, 95.6297

## Protanomaly

67.7214, 67.1666, 98.2021

## Deuteranomaly

69.2257, 66.9062, 95.6518

## Tritanomaly

68.3152, 67.0025, 86.4230

# Monochromacy



## Original Color

70.2313, 67.0661, 95.6297

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

67.4782, 68.5067, 82.3397

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.2313, 67.0661, 95.6297 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(227, 206, 245)` looks like.

```
.text, #text, p{  
    color:rgb(227, 206, 245)  
}
```

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(227, 206, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 70.2313, 67.0661, 95.6297 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(227, 206, 245) }
```



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

```
.border{ border-color:rgb(227, 206, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 206, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 206, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 206, 245);  
box-shadow:4px 4px 4px 4px rgb(227, 206,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.2313, 67.0661, 95.6297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 206, 245) }
```

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

```
.background{ background-color: rgb(227,  
206, 245) }
```

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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