

# Converting Colors

XYZ(69.5312, 63.4256, 86.8272)

Have a look what the booklet for  
XYZ(69.5312, 63.4256, 86.8272)  
contains.

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# Color

**XYZ(69.6604, 63.4825,  
87.1791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDC4EB
RGB	237, 196, 235
RGB Percent	93%, 77%, 92%
CMY	0.0706, 0.2314, 0.0784
CMYK	0.00, 0.17, 0.01, 0.07
HSL	303°, 53%, 85%
HSV	303°, 17%, 93%
XYZ	69.6604, 63.4825, 87.1791
YIQ	212.7050, 11.9170, 20.8210

# Conversions

## Conversions Part 2

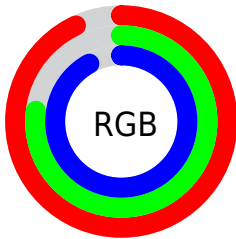
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	237, 196, 235
Decimal	15582443
CIE <sub>Lab</sub>	83.70, 21.08, -13.83
CIE <sub>LCh</sub>	84, 25.209, 326.739
Y <sub>xy</sub>	63.4825, 0.3162, 0.2881
Android (android.graphics.Color)	4293772523 (0xFFEDC4EB)
Y <sub>UV</sub>	212.7050, 10.9914, 21.3067
Hunter-Lab	79.6759, 16.6292, -9.1003

# Details

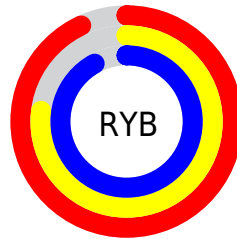
The XYZ color **69.6604, 63.4825, 87.1791** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.2447, 76.3833, 64.8396**, and the grayscale version is **62.9738, 66.2533, 72.1499**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **36.8657, 32.4244, 46.9633** is the 20% darker color. If you saturate the color by 10%, you get **64.5653, 53.5577, 84.6597**, and if you desaturate by 10%, it is **75.6048, 75.1020, 89.9884**.

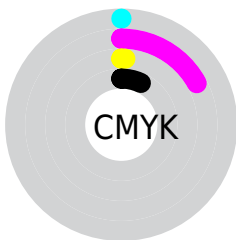
# Distribution



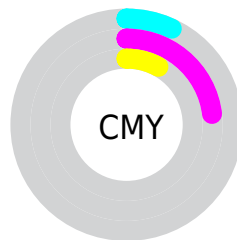
- Red (93%)
- Green (77%)
- Blue (92%)



- Red (93%)
- Yellow (77%)
- Blue (92%)



- Cyan (0%)
- Magenta (17%)
- Yellow (1%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6604, 63.4825, 87.1791 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 69.6604, 63.4825, 87.1791 by changing the saturation by 10% instead.



69.6604, 63.4825,  
87.1791

69.6604, 63.4825,  
87.1791

448.6417,  
437.3185, 539.1427

51.5283, 46.2317,  
65.0830

117.7532,  
109.8653, 145.3148

36.8520, 32.4287,  
47.0766

148.4447,  
139.7661, 182.1915

25.2661, 21.6891,  
32.7414

184.0534,  
174.6523, 224.8321

16.4052, 13.6287,  
21.6589

224.9446,  
214.9083, 273.6551

9.9040, 7.8628,  
13.4106

271.4836,  
260.9185, 329.0791

5.3971, 4.0073,  
7.5778

324.0360,

2.5192, 1.6777,

313.0674, 391.5227

3.7422

382.9669,  
371.7392, 461.4044

■ 0.9050, 0.4091,  
1.4850

■ 0.0000, 0.0000,  
0.2067

■ 69.6604, 63.4825,  
87.1791

■ 69.6604, 63.4825,  
87.1791

■ 64.5653, 53.5577,  
84.6597

■ 75.6048, 75.1020,  
89.9884

■ 60.2741, 45.2403,  
82.4130

■ 82.4297, 88.4818,  
93.0958

■ 56.7462, 38.4476,  
80.4260

■ 86.1875, 95.7256,  
95.1863

■ 53.9349, 33.0862,  
78.6831

■ 86.3584, 95.7939,  
96.0865

51.7884, 29.0528,  
77.1672

86.5305, 95.8628,  
96.9924

50.2479, 26.2299,  
75.8587

86.7036, 95.9320,  
97.9042

49.2447, 24.4795,  
74.7345

86.8779, 96.0017,  
98.8217

48.6882, 23.6211,  
73.7645

87.0532, 96.0719,  
99.7451

48.5759, 23.4649,  
73.5160

87.2297, 96.1424,  
100.6742

# Harmonies

## Analogous

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



65.2432, 63.4825, 99.9946



69.6604, 63.4825, 87.1791



71.5732, 63.4825, 70.8662

# Triad

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



69.6604, 63.4825, 87.1791



60.9443, 63.4825, 42.9874



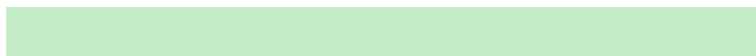
51.3428, 63.4825, 83.7277

# Complementary

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



69.6604, 63.4825, 87.1791



63.2447, 76.3833, 64.8396

# 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.



50.3451, 63.4825, 67.4060



69.6604, 63.4825, 87.1791



55.6854, 63.4825, 45.3635

# Square

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



69.6604, 63.4825, 87.1791



66.3517, 63.4825, 46.6826



51.8872, 63.4825, 53.7475



54.6995, 63.4825, 97.7980



# Rectangle

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



69.6604, 63.4825, 87.1791



71.0893, 63.4825, 60.7273



51.8872, 63.4825, 53.7475



50.7297, 63.4825, 78.2559

# Sweetspot

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



69.6623, 63.4853, 87.1805



91.0166, 92.0932, 107.0622



58.1509, 57.5173, 88.1591



19.3645, 19.4830, 22.8620



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.



69.6623, 63.4853, 87.1805



79.8638, 70.2962, 101.7765



66.9501, 62.4004, 72.8981



15.6812, 15.3003, 18.8725



26.5349, 12.8166, 40.2136



2.0934, 1.0103, 3.2094



# Inverse Universe

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



69.6623, 63.4853, 87.1805



79.8638, 70.2962, 101.7765



65.6889, 77.3610, 77.7105



15.6812, 15.3003, 18.8725



26.5349, 12.8166, 40.2136



2.0934, 1.0103, 3.2094



# Previews

## White Background



This preview shows how the XYZ color 69.6604, 63.4825, 87.1791 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

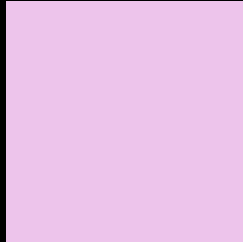
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6604, 63.4825, 87.1791 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 69.6604, 63.4825, 87.1791**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.6604, 63.4825, 87.1791.



This preview shows how white text looks on a background with the XYZ color 69.6604, 63.4825,



# 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

69.6604, 63.4825, 87.1791

### Protanopia

62.6970, 63.5930, 92.9746

### Deuteranopia

65.1207, 63.5578, 86.6776



## Tritanopia

66.6208, 63.2456, 72.9863

# Trichromacy



## Original Color

69.6604, 63.4825, 87.1791

## Protanomaly

64.9603, 63.3909, 90.4733

## Deuteranomaly

66.5569, 63.2566, 86.5437

## Tritanomaly

67.6398, 63.3243, 77.7650

# Monochromacy



## Original Color

69.6604, 63.4825, 87.1791

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.4882, 65.3757, 77.5738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6604, 63.4825, 87.1791 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(237, 196, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 196, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6604, 63.4825, 87.1791 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, 235) }
```



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

```
.border{ border-color:rgb(237, 196, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(237, 196,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6604, 63.4825, 87.1791 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, 235) }
```

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

```
.background{ background-color: rgb(237,  
196, 235) }
```

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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