

Converting Colors

XYZ(67.8990, 63.0810, 86.9613)

Have a look what the booklet for
XYZ(67.8990, 63.0810, 86.9613)
contains.

XYZ(67.9166, 62.9196, 87.1624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.9166, 62.9196,
87.1624)**

Conversions

Conversions Part 1

Format	Color
Hex	E7C5EB
RGB	231, 197, 235
RGB Percent	91%, 77%, 92%
CMY	0.0941, 0.2274, 0.0784
CMYK	0.02, 0.16, 0.00, 0.08
HSL	294°, 49%, 85%
HSV	294°, 16%, 92%
XYZ	67.9166, 62.9196, 87.1624
YIQ	211.4980, 8.0660, 19.0260

Conversions

Conversions Part 2

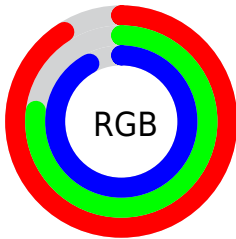
Format	Color
R _Y B	231, 197, 235
Decimal	15189483
CIE Lab	83.40, 18.56, -14.32
CIE LCh	83, 23.445, 322.340
Yxy	62.9196, 0.3115, 0.2886
Android (android.graphics.Color)	4293379563 (0xFFE7C5EB)
YUV	211.4980, 11.5865, 17.1033
Hunter-Lab	79.3219, 14.0211, -9.6252

Details

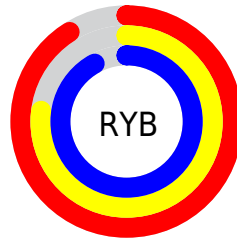
The XYZ color **67.9166, 62.9196, 87.1624** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.8762, 75.8671, 64.1037**, and the grayscale version is **62.1698, 65.4075, 71.2287**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **35.6383, 32.0136, 46.9487** is the 20% darker color. If you saturate the color by 10%, you get **62.1987, 52.6599, 85.4844**, and if you desaturate by 10%, it is **74.4813, 74.8541, 89.1209**.

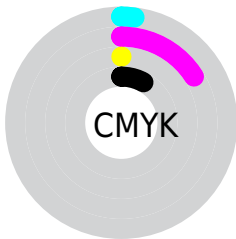
Distribution



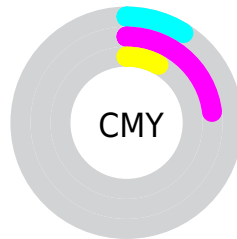
- Red (91%)
- Green (77%)
- Blue (92%)



- Red (91%)
- Yellow (77%)
- Blue (92%)



- Cyan (2%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9166, 62.9196, 87.1624 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 67.9166, 62.9196, 87.1624 by changing the saturation by 10% instead.

67.9166, 62.9196,
87.1624

67.9166, 62.9196,
87.1624

442.5818,
435.2776, 539.0864

50.1033, 45.7762,
65.0692

115.2754,
109.0535, 145.2913

35.7136, 32.0692,
47.0655

145.5516,
138.8128, 182.1642

24.3822, 21.4144,
32.7327

180.7128,
173.5461, 224.8007

15.7436, 13.4272,
21.6523

221.1245,
213.6379, 273.6193

9.4326, 7.7234,
13.4058

267.1518,
259.4726, 329.0387

5.0838, 3.9185,
7.5746

319.1603,

2.3318, 1.6281,

311.4345, 391.4773

3.7401

377.5151,
369.9080, 461.3537

■ 0.8108, 0.3764,
1.4839

■ 0.0000, 0.0000,
0.2059

■ 67.9166, 62.9196,
87.1624

■ 67.9166, 62.9196,
87.1624

■ 62.1987, 52.6599,
85.4844

■ 74.4813, 74.8541,
89.1209

■ 57.2836, 43.9900,
84.0700

■ 81.9231, 88.5271,
91.3679

■ 53.1315, 36.8296,
82.9067

■ 86.1577, 95.7687,
92.5424

■ 49.6973, 31.0884,
81.9796

■ 86.9961, 96.2009,
92.5817

46.9309, 26.6663,
81.2718

87.8459, 96.6390,
92.6214

44.7756, 23.4500,
80.7646

88.7072, 97.0830,
92.6618

43.1652, 21.3073,
80.4359

89.5801, 97.5330,
92.7026

42.0175, 20.0736,
80.2583

90.4646, 97.9890,
92.7440

41.6487, 19.7384,
80.2130

91.3607, 98.4509,
92.7859

Harmonies

Analogous

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



63.6130, 62.9196, 97.9436



67.9166, 62.9196, 87.1624



70.0700, 62.9196, 72.3250

Triad

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



67.9166, 62.9196, 87.1624



61.1213, 62.9196, 44.2509



51.1746, 62.9196, 79.7612

Complementary

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



67.9166, 62.9196, 87.1624



63.8762, 75.8671, 64.1037

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.



50.5917, 62.9196, 64.8292



67.9166, 62.9196, 87.1624



56.1486, 62.9196, 45.6549

Square

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



67.9166, 62.9196, 87.1624



66.0040, 62.9196, 48.5742



52.3631, 62.9196, 52.7266



54.0035, 62.9196, 93.2643

Rectangle

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



67.9166, 62.9196, 87.1624



69.9154, 62.9196, 62.6738



52.3631, 62.9196, 52.7266



50.7163, 62.9196, 74.6951

Sweetspot

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



67.9185, 62.9223, 87.1638



90.6245, 91.8795, 107.5658



59.0119, 59.8472, 87.0396



19.2689, 19.4309, 22.9849



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.



67.9185, 62.9223, 87.1638



79.6423, 71.9333, 104.2947



67.2050, 62.7878, 76.5906



15.5495, 15.2286, 19.0421



23.2440, 11.0186, 44.6447



1.8701, 0.8884, 3.5078

Inverse Universe

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



64.7721, 61.8146, 63.7791



75.2836, 70.4037, 71.6778



64.5656, 76.0202, 73.2740



15.1299, 15.0798, 15.9694



19.1858, 9.8770, 1.5140



1.5282, 0.7842, 0.2327

Previews

White Background



This preview shows how the XYZ color 67.9166, 62.9196, 87.1624 looks on a white background.

Color Contrast Check

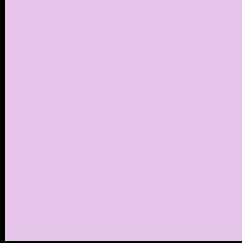
Large Text (above 18pt) WCAG AA × Fail

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 67.9166, 62.9196, 87.1624 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 67.9166, 62.9196, 87.1624

Background



This preview shows how black text looks on a background with the XYZ color 67.9166, 62.9196, 87.1624.



This preview shows how white text looks on a background with the XYZ color 67.9166, 62.9196,

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

67.9166, 62.9196, 87.1624

Protanopia

62.3056, 63.0500, 92.1051

Deuteranopia

64.5261, 63.2513, 86.6497



Tritanopia

65.0439, 62.7604, 73.6515

Trichromacy



Original Color

67.9166, 62.9196, 87.1624

Protanomaly

64.3765, 63.0900, 90.4459

Deuteranomaly

65.5567, 63.0860, 86.5635

Tritanomaly

66.0558, 62.8326, 78.4584

Monochromacy



Original Color

67.9166, 62.9196, 87.1624

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.4445, 64.8530, 76.8314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9166, 62.9196, 87.1624 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(231, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(231, 197, 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(231, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 197, 235) }
```

Border

The CSS property to change the border of an element to XYZ 67.9166, 62.9196, 87.1624 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(231, 197, 235) }
```


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

```
.border{ border-color:rgb(231, 197, 235) }
```

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

Here you see how a box with a 4 pixel rgb(231, 197, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 197, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 197, 235);  
box-shadow:4px 4px 4px 4px rgb(231, 197,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9166, 62.9196, 87.1624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 197, 235) }
```

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

```
.background{ background-color: rgb(231,  
197, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor