

Converting Colors

XYZ(68.6134, 67.3092, 77.6306)

Have a look what the booklet for
XYZ(68.6134, 67.3092, 77.6306)
contains.

XYZ(68.5620, 67.3211, 77.7873)	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(68.5620, 67.3211,
77.7873)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D0DD
RGB	231, 208, 221
RGB Percent	91%, 82%, 87%
CMY	0.0941, 0.1843, 0.1333
CMYK	0.00, 0.10, 0.04, 0.09
HSL	326°, 32%, 86%
HSV	326°, 10%, 91%
XYZ	68.5620, 67.3211, 77.7873
YIQ	216.3590, 9.5350, 8.9190

Conversions

Conversions Part 2

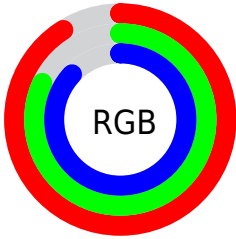
Format	Color
R_{YB}	231, 208, 221
Decimal	15192285
CIE _{Lab}	85.67, 10.21, -3.51
CIE _{LCh}	86, 10.790, 341.043
Yxy	67.3211, 0.3209, 0.3151
Android (android.graphics.Color)	4293382365 (0xFFE7D0DD)
YUV	216.3590, 2.2880, 12.8402
Hunter-Lab	82.0494, 5.5713, 1.2245

Details

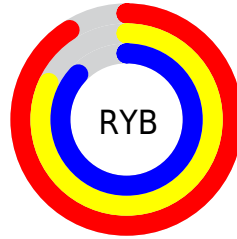
The XYZ color **68.5620, 67.3211, 77.7873** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2458, 75.6254, 77.3862**, and the grayscale version is **65.4969, 68.9079, 75.0407**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1177, 34.9783, 40.9243** is the 20% darker color. If you saturate the color by 10%, you get **62.0369, 56.3484, 69.2059**, and if you desaturate by 10%, it is **75.9912, 79.9722, 87.0668**.

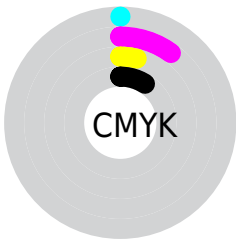
Distribution



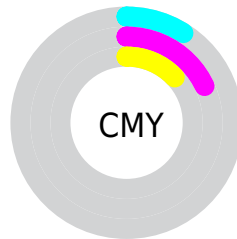
- Red (91%)
- Green (82%)
- Blue (87%)



- Red (91%)
- Yellow (82%)
- Blue (87%)



- Cyan (0%)
- Magenta (10%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5620, 67.3211, 77.7873 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 68.5620, 67.3211, 77.7873 by changing the saturation by 10% instead.

68.5620, 67.3211,
77.7873

68.5620, 67.3211,
77.7873

444.8302,
451.0869, 506.9529

50.6304, 49.3456,
57.3839

116.1933,
115.3804, 132.0334

36.1344, 34.8937,
40.9021

146.6237,
146.2330, 166.7131

24.7086, 23.5810,
27.9235

181.9510,
182.1468, 206.9887

15.9877, 15.0231,
18.0294

222.5408,
223.5061, 253.2786

9.6062, 8.8356,
10.8015

268.7582,
270.6954, 306.0014

5.1989, 4.6341,
5.8210

320.9687,

2.4004, 2.0342,

324.0990, 365.5758

2.6695

379.5376,
384.1014, 432.4201

■ 0.8453, 0.6272,
0.9280

■ 0.0000, 0.0000,
0.0000

■ 68.5620, 67.3211,
77.7873

■ 68.5620, 67.3211,
77.7873

■ 62.0369, 56.3484,
69.2059

■ 75.9912, 79.9722,
87.0668

■ 56.3736, 46.9741,
61.2992

■ 84.3534, 94.3597,
97.0583

■ 51.5346, 39.1247,
54.0486

■ 86.1496, 95.4828,
105.2694

■ 47.4775, 32.7179,
47.4326

■ 86.7654, 95.7291,
108.5123

■ 44.1557, 27.6629,
41.4283

■ 41.5178, 23.8590,
36.0108

■ 39.5047, 21.1912,
31.1525

■ 38.0469, 19.5225,
26.8221

■ 37.0259, 18.6191,
22.9715

Harmonies

Analogous

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



67.1409, 67.3211, 83.9924



68.5620, 67.3211, 77.7873



68.7389, 67.3211, 70.7386

Triad

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



68.5620, 67.3211, 77.7873



63.0855, 67.3211, 60.8014



60.4875, 67.3211, 82.5542

Complementary

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



68.5620, 67.3211, 77.7873



67.2458, 75.6254, 77.3862

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.



59.4587, 67.3211, 75.9250



68.5620, 67.3211, 77.7873



60.9329, 67.3211, 63.5581

Square

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



68.5620, 67.3211, 77.7873



65.5345, 67.3211, 61.2293



59.6196, 67.3211, 68.9910



62.4634, 67.3211, 86.8640

Rectangle

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



68.5620, 67.3211, 77.7873



68.1225, 67.3211, 66.5396



59.6196, 67.3211, 68.9910



60.0217, 67.3211, 80.5061

Sweetspot

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



68.5639, 67.3240, 77.7887



92.1269, 95.0034, 105.3062



65.8857, 65.7848, 84.8274



19.5555, 20.0559, 22.3372



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.



68.5639, 67.3240, 77.7887



83.9843, 81.1790, 95.0059



67.0880, 66.7337, 70.0167



14.7165, 14.5038, 16.7073



20.8181, 10.4614, 13.2028



1.5848, 0.7916, 1.2202

Inverse Universe

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



68.5639, 67.3240, 77.7887



83.9843, 81.1790, 95.0059



68.7985, 76.2466, 85.5630



14.7165, 14.5038, 16.7073



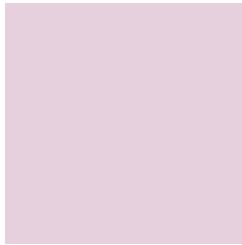
20.8181, 10.4614, 13.2028



1.5848, 0.7916, 1.2202

Previews

White Background



This preview shows how the XYZ color 68.5620, 67.3211, 77.7873 looks on a white background.

Color Contrast Check

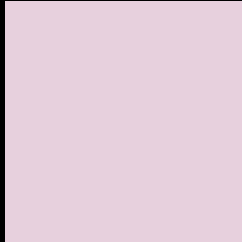
Large Text (above 18pt) WCAG AA × Fail

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 68.5620, 67.3211, 77.7873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

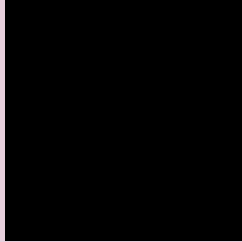
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5620, 67.3211, 77.7873

Background



This preview shows how black text looks on a background with the XYZ color 68.5620, 67.3211, 77.7873.

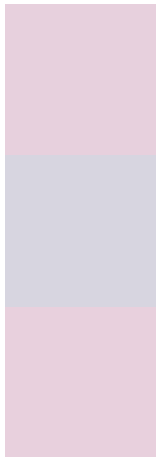


This preview shows how white text looks on a background with the XYZ color 68.5620, 67.3211,

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

68.5620, 67.3211, 77.7873

Protanopia

65.2731, 67.4174, 80.0936

Deuteranopia

68.8857, 67.4880, 77.8024



Tritanopia

68.9654, 67.4825, 79.9116

Trichromacy



Original Color

68.5620, 67.3211, 77.7873

Protanomaly

66.4323, 67.2884, 79.2986

Deuteranomaly

68.8857, 67.4880, 77.8024

Tritanomaly

68.8302, 67.4284, 79.1993

Monochromacy



Original Color

68.5620, 67.3211, 77.7873

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.2679, 68.0226, 75.9666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5620, 67.3211, 77.7873 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, 208, 221)` looks like.

```
.text, #text, p{  
    color:rgb(231, 208, 221)  
}
```

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, 208, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 208, 221) }
```

Border

The CSS property to change the border of an element to XYZ 68.5620, 67.3211, 77.7873 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, 208, 221) }
```


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

```
.border{ border-color:rgb(231, 208, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 208, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 208, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 208, 221);  
box-shadow:4px 4px 4px 4px rgb(231, 208,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5620, 67.3211, 77.7873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 208, 221) }
```

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

```
.background{ background-color: rgb(231,  
208, 221) }
```

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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