

Converting Colors

XYZ(68.9639, 65.7525, 76.9583)

Have a look what the booklet for
XYZ(68.9639, 65.7525, 76.9583)
contains.

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Color

**XYZ(68.8663, 65.7120,
76.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	ECCBDC
RGB	236, 203, 220
RGB Percent	93%, 80%, 86%
CMY	0.0745, 0.2039, 0.1372
CMYK	0.00, 0.14, 0.07, 0.07
HSL	329°, 46%, 86%
HSV	329°, 14%, 93%
XYZ	68.8663, 65.7120, 76.7642
YIQ	214.8050, 14.2110, 12.2830

Conversions

Conversions Part 2

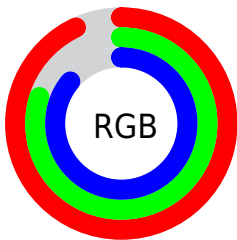
Format	Color
R _Y B	236, 203, 220
Decimal	15518684
CIE Lab	84.85, 14.39, -4.13
CIE LCh	85, 14.967, 343.999
Yxy	65.7120, 0.3259, 0.3109
Android (android.graphics.Color)	4293708764 (0xFFECCBDC)
YUV	214.8050, 2.5611, 18.5880
Hunter-Lab	81.0629, 9.7829, 0.5982

Details

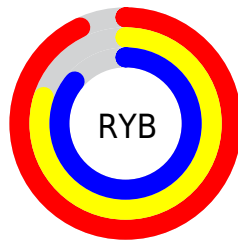
The XYZ color **68.8663, 65.7120, 76.7642** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **67.4128, 77.8037, 78.4861**, and the grayscale version is **64.4375, 67.7932, 73.8268**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3614, 33.9148, 40.2271** is the 20% darker color. If you saturate the color by 10%, you get **62.2479, 54.8175, 67.3348**, and if you desaturate by 10%, it is **76.4406, 78.3504, 87.0257**.

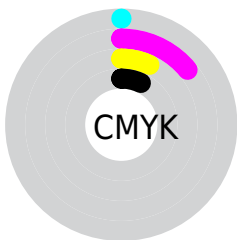
Distribution



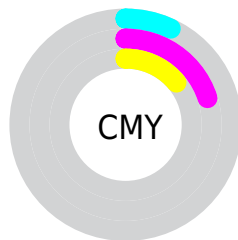
- Red (93%)
- Green (80%)
- Blue (86%)



- Red (93%)
- Yellow (80%)
- Blue (86%)



- Cyan (0%)
- Magenta (14%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8663, 65.7120, 76.7642 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 68.8663, 65.7120, 76.7642 by changing the saturation by 10% instead.

68.8663, 65.7120,
76.7642

68.8663, 65.7120,
76.7642

445.8880,
445.3462, 503.3760

50.8791, 48.0386,
56.5490

116.6257,
113.0729, 130.5765

36.3330, 33.8575,
40.2363

147.1286,
143.5292, 165.0107

24.8628, 22.7841,
27.4076

182.5341,
179.0153, 205.0216

16.1031, 14.4342,
17.6445

223.2075,
219.9155, 251.0278

9.6884, 8.4233,
10.5282

269.5143,
266.6144, 303.4478

5.2535, 4.3670,
5.6404

321.8197,

2.4331, 1.8809,

319.4962, 362.7001

2.5625

380.4892,
378.9453, 429.2033

■ 0.8616, 0.5368,
0.8730

■ 0.0000, 0.0000,
0.0000

■ 68.8663, 65.7120,
76.7642

■ 68.8663, 65.7120,
76.7642

■ 62.2479, 54.8175,
67.3348

■ 76.4406, 78.3504,
87.0257

■ 56.5394, 45.5811,
58.7097

■ 85.0030, 92.7966,
98.1377

■ 51.6995, 37.9224,
50.8654

■ 88.2953, 96.5302,
108.0243

■ 47.6811, 31.7511,
43.7754

■ 88.4025, 96.5731,
108.5889

■ 44.4327, 26.9674,
37.4114

■ 41.8964, 23.4593,
31.7423

■ 40.0052, 21.0972,
26.7337

■ 38.6783, 19.7231,
22.3462

■ 38.0783, 19.2274,
19.9749

Harmonies

Analogous

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



67.0468, 65.7120, 85.6803



68.8663, 65.7120, 76.7642



68.9286, 65.7120, 67.1721

Triad

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



68.8663, 65.7120, 76.7642



60.9096, 65.7120, 55.0771



57.9304, 65.7120, 85.1665

Complementary

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



68.8663, 65.7120, 76.7642



67.4128, 77.8037, 78.4861

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.



56.4042, 65.7120, 76.1124



68.8663, 65.7120, 76.7642



58.0822, 65.7120, 59.0641

Square

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



68.8663, 65.7120, 76.7642



64.2526, 65.7120, 55.2176



56.4588, 65.7120, 66.5759



60.6957, 65.7120, 90.8199

Rectangle

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



68.8663, 65.7120, 76.7642



67.9600, 65.7120, 61.7069



56.4588, 65.7120, 66.5759



57.2599, 65.7120, 82.3861

Sweetspot

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



68.8682, 65.7149, 76.7656



91.0957, 93.3494, 103.7038



65.6971, 63.8235, 88.2145



19.3436, 19.7213, 21.9916



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.



68.8682, 65.7149, 76.7656



79.5444, 74.1115, 87.9388



66.7955, 64.8858, 65.8512



15.3894, 15.1836, 17.3358



21.0550, 10.6247, 11.3569



1.7019, 0.8537, 1.1477

Inverse Universe

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



68.8682, 65.7149, 76.7656



79.5444, 74.1115, 87.9388



69.6866, 78.7133, 90.4600



15.3894, 15.1836, 17.3358



21.0550, 10.6247, 11.3569



1.7019, 0.8537, 1.1477

Previews

White Background



This preview shows how the XYZ color 68.8663, 65.7120, 76.7642 looks on a white background.

Color Contrast Check

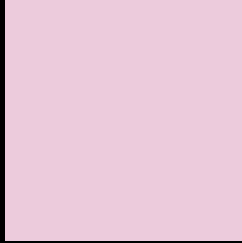
Large Text (above 18pt) WCAG AA × Fail

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 68.8663, 65.7120, 76.7642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

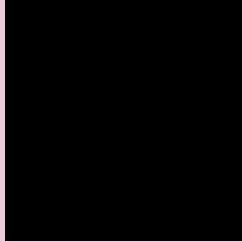
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8663, 65.7120, 76.7642

Background



This preview shows how black text looks on a background with the XYZ color 68.8663, 65.7120, 76.7642.



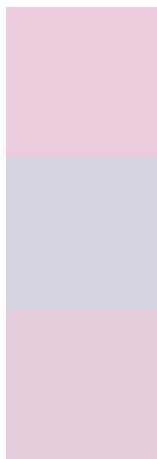
This preview shows how white text looks on a background with the XYZ color 68.8663, 65.7120,

76.7642.

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

68.8663, 65.7120, 76.7642

Protanopia

64.0363, 66.0218, 80.6026

Deuteranopia

67.3027, 65.9679, 76.8960



Tritanopia

68.7342, 65.6592, 76.0686

Trichromacy



Original Color

68.8663, 65.7120, 76.7642

Protanomaly

65.6940, 65.8116, 79.0525

Deuteranomaly

68.0283, 65.9858, 76.8612

Tritanomaly

68.7342, 65.6592, 76.0686

Monochromacy



Original Color

68.8663, 65.7120, 76.7642

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.2501, 67.2863, 75.1414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8663, 65.7120, 76.7642 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, 203, 220)` looks like.

```
.text, #text, p{  
    color:rgb(236, 203, 220)  
}
```

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, 203, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 203, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.8663, 65.7120, 76.7642 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, 203, 220) }
```


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

```
.border{ border-color:rgb(236, 203, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 203, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 203, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 203, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 203,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8663, 65.7120, 76.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 203, 220) }
```

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

```
.background{ background-color: rgb(236,  
203, 220) }
```

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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