

Converting Colors

XYZ(70.0157, 63.1519, 91.9919)

Have a look what the booklet for
XYZ(70.0157, 63.1519, 91.9919)
contains.

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Color

**XYZ(69.9844, 63.2140,
91.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC3F1
RGB	236, 195, 241
RGB Percent	93%, 76%, 95%
CMY	0.0745, 0.2353, 0.0549
CMYK	0.02, 0.19, 0.00, 0.05
HSL	293°, 62%, 85%
HSV	293°, 19%, 95%
XYZ	69.9844, 63.2140, 91.7320
YIQ	212.5030, 9.6700, 22.9980

Conversions

Conversions Part 2

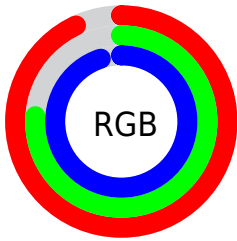
Format	Color
R _{YB}	236, 195, 241
Decimal	15516657
CIE Lab	83.55, 22.38, -17.25
CIE LCh	84, 28.258, 322.385
Yxy	63.2140, 0.3111, 0.2810
Android (android.graphics.Color)	4293706737 (0xFFECC3F1)
YUV	212.5030, 14.0490, 20.6069
Hunter-Lab	79.5072, 17.9828, -12.7512

Details

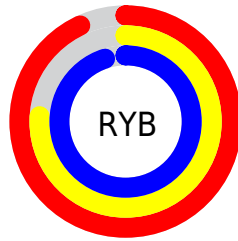
The XYZ color **69.9844, 63.2140, 91.7320** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.1273, 79.1317, 63.4743**, and the grayscale version is **62.8206, 66.0921, 71.9743**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **37.1042, 32.2558, 50.1693** is the 20% darker color. If you saturate the color by 10%, you get **64.1516, 52.8290, 90.0359**, and if you desaturate by 10%, it is **76.7053, 75.3539, 93.7220**.

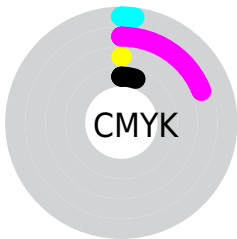
Distribution



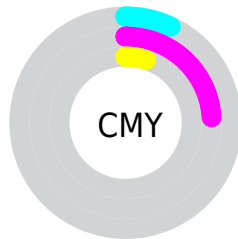
- Red (93%)
- Green (76%)
- Blue (95%)



- Red (93%)
- Yellow (76%)
- Blue (95%)



- Cyan (2%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (7%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9844, 63.2140, 91.7320 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 69.9844, 63.2140, 91.7320 by changing the saturation by 10% instead.

69.9844, 63.2140,
91.7320

69.9844, 63.2140,
91.7320

449.7625,
436.3457, 554.3638

51.7934, 46.0144,
68.8363

118.2129,
109.4782, 151.6984

37.0640, 32.2571,
50.1074

148.9811,
139.3115, 189.6061

25.4310, 21.5580,
35.1270

184.6723,
174.1249, 233.3549

16.5289, 13.5325,
23.4764

225.6521,
214.3026, 283.3633

9.9924, 7.7962,
14.7371

272.2856,
260.2292, 340.0498

5.4561, 3.9648,
8.4905

324.9382,

2.5548, 1.6539,

312.2890, 403.8331

4.3181

383.9754,
370.8664, 475.1316

■ 0.9230, 0.3935,
1.8014

■ 0.0000, 0.0000,
0.4289

■ 69.9844, 63.2140,
91.7320

■ 69.9844, 63.2140,
91.7320

■ 64.1516, 52.8290,
90.0359

■ 76.7053, 75.3539,
93.7220

■ 59.1593, 44.1073,
88.6155

■ 84.3474, 89.3184,
96.0146

■ 54.9641, 36.9612,
87.4573

■ 88.8971, 97.0791,
97.2727

■ 51.5167, 31.2918,
86.5447

■ 89.8119, 97.5506,
97.3156

48.7619, 26.9889,
85.8593

90.7397, 98.0289,
97.3590

46.6368, 23.9270,
85.3803

91.6805, 98.5139,
97.4030

45.0669, 21.9572,
85.0829

92.6343, 99.0057,
97.4476

43.9390, 20.8528,
84.9291

92.8774, 99.1309,
97.4590

43.8448, 20.7687,
84.9179

Harmonies

Analogous

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



64.7177, 63.2140, 105.2891



69.9844, 63.2140, 91.7320



72.6327, 63.2140, 73.4328

Triad

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



69.9844, 63.2140, 91.7320



61.6696, 63.2140, 40.3342



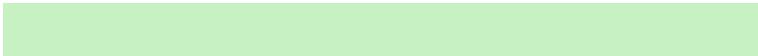
49.7625, 63.2140, 82.6040

Complementary

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



69.9844, 63.2140, 91.7320



65.1273, 79.1317, 63.4743

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.



49.0692, 63.2140, 64.4224



69.9844, 63.2140, 91.7320



55.6750, 63.2140, 41.9390

Square

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



69.9844, 63.2140, 91.7320



67.6227, 63.2140, 45.2605



51.1625, 63.2140, 50.0962



53.1257, 63.2140, 99.4213

Rectangle

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



69.9844, 63.2140, 91.7320



72.4381, 63.2140, 61.7925



51.1625, 63.2140, 50.0962



49.2192, 63.2140, 76.3810

Sweetspot

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



69.9863, 63.2167, 91.7334



89.7527, 90.3096, 107.3088



59.1249, 59.4346, 91.5758



19.0923, 19.1141, 22.9331



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.



69.9863, 63.2167, 91.7334



76.8024, 66.9289, 103.4784



69.1615, 63.0813, 78.6042



16.2752, 15.9391, 19.9404



23.8463, 11.2986, 46.0519



2.0318, 0.9647, 3.8333

Inverse Universe

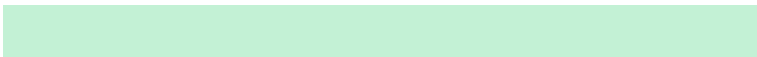
The Inverse Universe completely reimagines the original color for something new.



66.2182, 61.9040, 63.1051



71.8057, 65.1966, 65.1278



65.9269, 79.2998, 74.5412



15.8426, 15.7868, 16.7275



19.7973, 10.1914, 1.5835



1.6699, 0.8570, 0.2525

Previews

White Background



This preview shows how the XYZ color 69.9844, 63.2140, 91.7320 looks on a white background.

Color Contrast Check

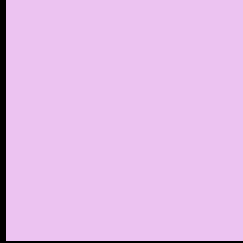
Large Text (above 18pt) WCAG AA × Fail

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 69.9844, 63.2140, 91.7320 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 69.9844, 63.2140, 91.7320

Background



This preview shows how black text looks on a background with the XYZ color 69.9844, 63.2140, 91.7320.



This preview shows how white text looks on a background with the XYZ color 69.9844, 63.2140,

91.7320.

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

69.9844, 63.2140, 91.7320

Protanopia

63.2311, 63.7446, 98.5938

Deuteranopia

64.6675, 63.2400, 90.4596



Tritanopia

66.1987, 63.3707, 73.0327

Trichromacy



Original Color

69.9844, 63.2140, 91.7320

Protanomaly

65.4311, 63.5118, 95.9992

Deuteranomaly

66.5067, 63.1294, 91.1180

Tritanomaly

67.2529, 63.0936, 79.1547

Monochromacy



Original Color

69.9844, 63.2140, 91.7320

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

65.2094, 64.8425, 78.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9844, 63.2140, 91.7320 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, 195, 241)` looks like.

```
.text, #text, p{  
    color:rgb(236, 195, 241)  
}
```

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, 195, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 195, 241) }
```

Border

The CSS property to change the border of an element to XYZ 69.9844, 63.2140, 91.7320 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, 195, 241) }
```


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

```
.border{ border-color:rgb(236, 195, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 195, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 195, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 195, 241);  
box-shadow:4px 4px 4px 4px rgb(236, 195,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9844, 63.2140, 91.7320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 195, 241) }
```

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

```
.background{ background-color: rgb(236,  
195, 241) }
```

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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