

Converting Colors

XYZ(70.4623, 68.8032, 98.6771)

Have a look what the booklet for
XYZ(70.4623, 68.8032, 98.6771)
contains.

XYZ(70.3617, 68.8954, 98.3966)	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(70.3617, 68.8954,
98.3966)**

Conversions

Conversions Part 1

Format	Color
Hex	DED3F8
RGB	222, 211, 248
RGB Percent	87%, 83%, 97%
CMY	0.1294, 0.1725, 0.0274
CMYK	0.10, 0.15, 0.00, 0.03
HSL	258°, 73%, 90%
HSV	258°, 15%, 97%
XYZ	70.3617, 68.8954, 98.3966
YIQ	218.5070, -5.3210, 13.8390

Conversions

Conversions Part 2

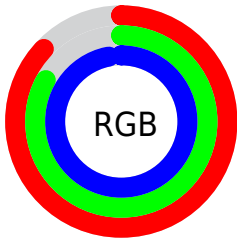
Format	Color
R _Y B	222, 211, 248
Decimal	14603256
CIE Lab	86.45, 10.71, -16.72
CIE LCh	86, 19.853, 302.631
Yxy	68.8954, 0.2961, 0.2899
Android (android.graphics.Color)	4292793336 (0xFFDED3F8)
YUV	218.5070, 14.5400, 3.0634
Hunter-Lab	83.0033, 6.0584, -12.1833

Details

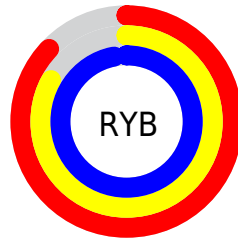
The XYZ color **70.3617, 68.8954, 98.3966** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.2528, 89.8443, 74.7432**, and the grayscale version is **66.8976, 70.3815, 76.6454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3392, 35.7982, 54.8109** is the 20% darker color. If you saturate the color by 10%, you get **59.6049, 54.9001, 96.2633**, and if you desaturate by 10%, it is **82.6249, 85.0818, 100.8756**.

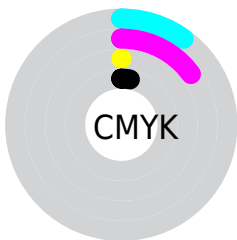
Distribution



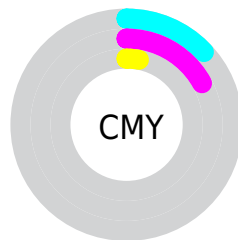
- Red (87%)
- Green (83%)
- Blue (97%)



- Red (87%)
- Yellow (83%)
- Blue (97%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3617, 68.8954, 98.3966 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 70.3617, 68.8954, 98.3966 by changing the saturation by 10% instead.

70.3617, 68.8954,
98.3966

70.3617, 68.8954,
98.3966

451.0656,
456.6620, 576.2424

52.1021, 50.6265,
74.3527

118.7479,
117.6322, 160.9846

37.3111, 35.9115,
54.5843

149.6052,
148.8688, 200.3658

25.6232, 24.3658,
38.6726

185.3925,
185.1969, 245.6966

16.6732, 15.6052,
26.1993

226.4750,
227.0008, 297.3954

10.0956, 9.2452,
16.7457

273.2183,
274.6648, 355.8809

5.5251, 4.9015,
9.8933

325.9876,

2.5964, 2.1896,

328.5734, 421.5715

5.2236

385.1482,
389.1110, 494.8858

■ 0.9441, 0.7143,
2.3180

■ 0.0000, 0.0000,
0.7413

■ 70.3617, 68.8954,
98.3966

■ 70.3617, 68.8954,
98.3966

■ 59.6049, 54.9001,
96.2633

■ 82.6249, 85.0818,
100.8756

■ 50.2883, 42.9919,
94.4558

■ 93.9435, 99.5574,
103.0731

■ 42.3495, 33.0710,
92.9593

■ 35.7191, 25.0259,
91.7559

■ 30.3212, 18.7338,
90.8259

■ 26.0715, 14.0568,
90.1471

■ 22.8736, 10.8353,
89.6939

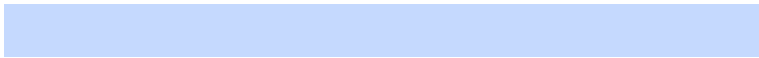
■ 20.6123, 8.8750,
89.4346

■ 19.7458, 8.2221,
89.3543

Harmonies

Analogous

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



65.8892, 68.8954, 103.2254



70.3617, 68.8954, 98.3966



73.6435, 68.8954, 87.2546

Triad

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



70.3617, 68.8954, 98.3966



69.6277, 68.8954, 54.7205



57.0508, 68.8954, 76.1823

Complementary

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



70.3617, 68.8954, 98.3966



80.2528, 89.8443, 74.7432

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.



57.9488, 68.8954, 63.9778



70.3617, 68.8954, 98.3966



65.0785, 68.8954, 52.4791

Square

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



70.3617, 68.8954, 98.3966



73.2060, 68.8954, 62.1864



60.8352, 68.8954, 55.6666



58.3232, 68.8954, 89.4976

Rectangle

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



70.3617, 68.8954, 98.3966



74.6382, 68.8954, 78.3066



60.8352, 68.8954, 55.6666



57.1089, 68.8954, 71.8177

Sweetspot

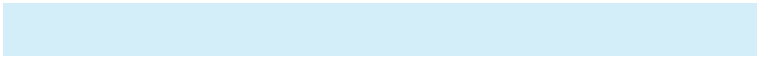
The Sweet Spot groups the original color and five complimentary colors.



70.3638, 68.8983, 98.3981



89.2938, 92.3296, 107.7229



74.2435, 81.4964, 100.6253



18.8872, 19.4629, 23.0112



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.



70.3638, 68.8983, 98.3981



71.2275, 68.5173, 104.0788



76.1692, 71.8911, 98.6698



16.7679, 16.8930, 21.7622



10.7887, 4.5045, 48.2744



1.1008, 0.4695, 4.4758

Inverse Universe

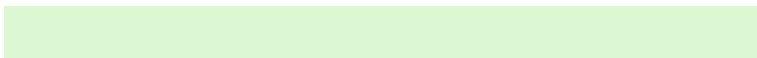
The Inverse Universe completely reimagines the original color for something new.



77.2940, 72.6624, 90.0754



79.9955, 73.2822, 93.4271



74.5460, 86.9023, 74.4761



17.7603, 17.4315, 20.5936



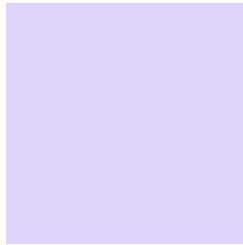
25.1186, 12.4632, 23.1308



2.3730, 1.1729, 2.3876

Previews

White Background



This preview shows how the XYZ color 70.3617, 68.8954, 98.3966 looks on a white background.

Color Contrast Check

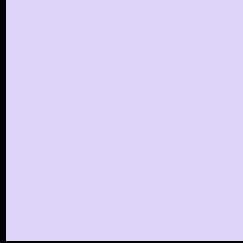
Large Text (above 18pt) WCAG AA × Fail

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 70.3617, 68.8954, 98.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

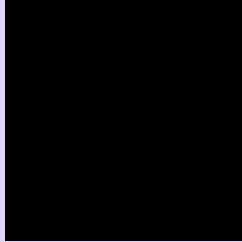
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3617, 68.8954, 98.3966

Background



This preview shows how black text looks on a background with the XYZ color 70.3617, 68.8954, 98.3966.



This preview shows how white text looks on a background with the XYZ color 70.3617, 68.8954,

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

70.3617, 68.8954, 98.3966

Protanopia

68.1341, 69.2046, 100.2093

Deuteranopia

70.3617, 68.8954, 98.3966



Tritanopia

67.6838, 68.9227, 85.3374

Trichromacy



Original Color

70.3617, 68.8954, 98.3966

Protanomaly

68.8770, 69.2288, 99.3548

Deuteranomaly

70.3617, 68.8954, 98.3966

Tritanomaly

68.5955, 68.9186, 89.8080

Monochromacy



Original Color

70.3617, 68.8954, 98.3966

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

68.3540, 70.0405, 84.7794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3617, 68.8954, 98.3966 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(222, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 248)  
}
```

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(222, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 248) }
```

Border

The CSS property to change the border of an element to XYZ 70.3617, 68.8954, 98.3966 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(222, 211, 248) }
```


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

```
.border{ border-color:rgb(222, 211, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 211, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3617, 68.8954, 98.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 248) }
```

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

```
.background{ background-color: rgb(222,  
211, 248) }
```

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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