

Converting Colors

XYZ(68.4142, 60.9218,
102.7610)

Have a look what the booklet for
XYZ(68.4142, 60.9218, 102.7610)
contains.

XYZ(68.3594, 60.8125, 102.7428)	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(68.3594, 60.8125,
102.7428)**

Conversions

Conversions Part 1

Format	Color
Hex	E3BFFF
RGB	227, 191, 255
RGB Percent	89%, 75%, 100%
CMY	0.1098, 0.2510, 0.0000
CMYK	0.11, 0.25, 0.00, 0.00
HSL	274°, 100%, 87%
HSV	274°, 25%, 100%
XYZ	68.3594, 60.8125, 102.7428
YIQ	209.0600, 0.9120, 27.5360

Conversions

Conversions Part 2

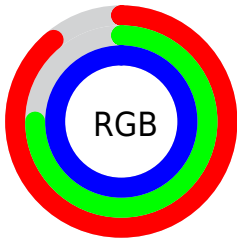
Format	Color
R _Y B	227, 191, 255
Decimal	14925823
CIE Lab	82.28, 24.37, -26.72
CIE LCh	82, 36.164, 312.359
Yxy	60.8125, 0.2948, 0.2622
Android (android.graphics.Color)	4293115903 (0xFFE3BFFF)
YUV	209.0600, 22.6484, 15.7334
Hunter-Lab	77.9824, 20.0041, -23.5277

Details

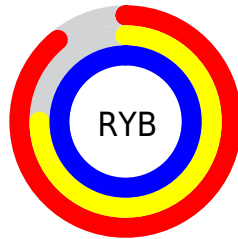
The XYZ color **68.3594, 60.8125, 102.7428** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.3786, 90.3422, 62.8106**, and the grayscale version is **60.5016, 63.6524, 69.3175**.

A 20% lighter version of the original color is **92.8574, 95.6148, 108.1691**, and **35.9333, 30.6265, 57.4437** is the 20% darker color. If you saturate the color by 10%, you get **59.8699, 48.8883, 100.8886**, and if you desaturate by 10%, it is **78.0485, 74.7954, 104.9311**.

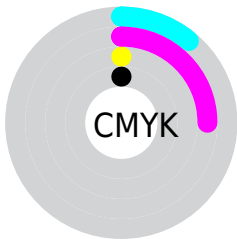
Distribution



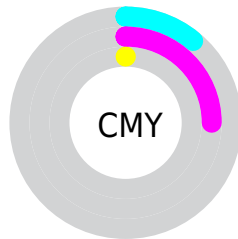
- Red (89%)
- Green (75%)
- Blue (100%)



- Red (89%)
- Yellow (75%)
- Blue (100%)



- Cyan (11%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3594, 60.8125, 102.7428 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 68.3594, 60.8125, 102.7428 by changing the saturation by 10% instead.

68.3594, 60.8125,
102.7428

68.3594, 60.8125,
102.7428

444.1251,
427.5862, 590.2726

50.4649, 44.0739,
77.9635

115.9052,
106.0074, 167.0060

36.0023, 30.7286,
57.5277

146.2873,
135.2325, 207.3270

24.6061, 20.3923,
41.0169

181.5626,
169.3885, 253.6656

15.9110, 12.6805,
28.0125

222.0965,
208.8598, 306.4405

9.5516, 7.2089,
18.0960

268.2543,
254.0308, 366.0701

5.1627, 3.5931,
10.8488

320.4015,

2.3788, 1.4487,

305.2860, 432.9729

5.8523

378.9033,
363.0096, 507.5676

■ 0.8345, 0.2522,
2.6882

■ 0.0000, 0.0000,
0.9375

■ 68.3594, 60.8125,
102.7428

■ 68.3594, 60.8125,
102.7428

■ 59.8699, 48.8883,
100.8886

■ 78.0485, 74.7954,
104.9311

■ 52.5202, 38.9127,
99.3505

■ 88.9827, 90.9247,
107.4681

■ 46.2531, 30.7766,
98.1104

95.0500, 100.0000,
108.9000

■ 41.0035, 24.3567,
97.1479

■ 36.6985, 19.5140,
96.4401

■ 33.2536, 16.0869,
95.9602

■ 30.5656, 13.8764,
95.6752

■ 29.4538, 13.0989,
95.5837

Harmonies

Analogous

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



61.0272, 60.8125, 116.8619



68.3594, 60.8125, 102.7428



73.0866, 60.8125, 79.9114

Triad

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



68.3594, 60.8125, 102.7428



62.4037, 60.8125, 33.4725



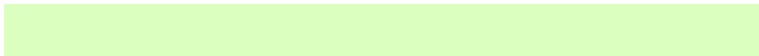
44.5124, 60.8125, 75.7097

Complementary

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



68.3594, 60.8125, 102.7428



74.3786, 90.3422, 62.8106

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.



44.8097, 60.8125, 54.1795



68.3594, 60.8125, 102.7428



54.6895, 60.8125, 32.8349

Square

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



68.3594, 60.8125, 102.7428



69.4438, 60.8125, 41.5599



48.3890, 60.8125, 39.5675



47.5372, 60.8125, 99.0846

Rectangle

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



68.3594, 60.8125, 102.7428



73.8889, 60.8125, 64.4846



48.3890, 60.8125, 39.5675



44.2353, 60.8125, 67.9750

Sweetspot

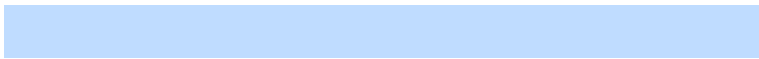
The Sweet Spot groups the original color and five complimentary colors.



68.3612, 60.8150, 102.7432



85.6763, 86.0143, 106.6945



65.0785, 69.3799, 104.5694



17.9807, 17.8818, 22.7538



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.



68.3612, 60.8150, 102.7432



64.0510, 54.7159, 101.7931



77.4109, 65.5393, 100.4999



17.9807, 17.8818, 22.7538



15.5648, 6.9344, 49.9527



1.6410, 0.7399, 4.8696

Inverse Universe

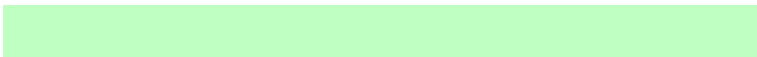
The Inverse Universe completely reimagines the original color for something new.



72.6584, 63.6383, 75.4734



69.1397, 58.0520, 69.8276



67.0077, 86.5012, 64.3242



18.3394, 18.1191, 20.4046



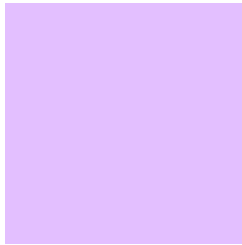
23.1362, 11.7438, 9.3675



2.3064, 1.1649, 1.1950

Previews

White Background



This preview shows how the XYZ color 68.3594, 60.8125, 102.7428 looks on a white background.

Color Contrast Check

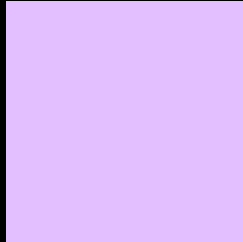
Large Text (above 18pt) WCAG AA × Fail

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 68.3594, 60.8125, 102.7428 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 68.3594, 60.8125, 102.7428

Background



This preview shows how black text looks on a background with the XYZ color 68.3594, 60.8125, 102.7428.

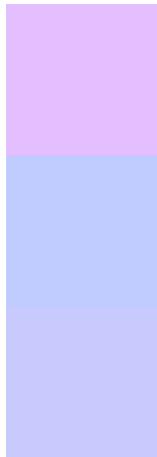


This preview shows how white text looks on a background with the XYZ color 68.3594, 60.8125,

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

68.3594, 60.8125, 102.7428

Protanopia

61.1442, 61.1383, 103.1860

Deuteranopia

62.4357, 61.1445, 101.4399



Tritanopia

62.3798, 61.0740, 72.1190

Trichromacy



Original Color

68.3594, 60.8125, 102.7428

Protanomaly

63.6503, 61.0460, 103.0361

Deuteranomaly

64.4340, 60.7899, 102.1035

Tritanomaly

64.3142, 60.8250, 82.4794

Monochromacy



Original Color

68.3594, 60.8125, 102.7428

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

63.1669, 62.3310, 80.6533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3594, 60.8125, 102.7428 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(227, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 191, 255)  
}
```

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(227, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.3594, 60.8125, 102.7428 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(227, 191, 255) }
```


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

```
.border{ border-color:rgb(227, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 191,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3594, 60.8125, 102.7428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 191, 255) }
```

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

```
.background{ background-color: rgb(227,  
191, 255) }
```

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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