

Converting Colors

XYZ(68.3843, 64.3765, 99.8989)

Have a look what the booklet for
XYZ(68.3843, 64.3765, 99.8989)
contains.

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Color

**XYZ(68.4234, 64.2679,
100.0654)**

Conversions

Conversions Part 1

Format	Color
Hex	DEC9FB
RGB	222, 201, 251
RGB Percent	87%, 79%, 98%
CMY	0.1294, 0.2117, 0.0157
CMYK	0.12, 0.20, 0.00, 0.02
HSL	265°, 86%, 89%
HSV	265°, 20%, 98%
XYZ	68.4234, 64.2679, 100.0654
YIQ	212.9790, -3.5340, 20.0020

Conversions

Conversions Part 2

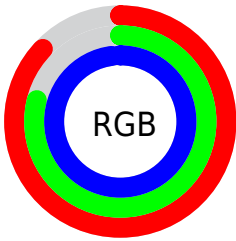
Format	Color
R _Y B	222, 201, 251
Decimal	14600699
CIE Lab	84.11, 16.63, -21.85
CIE LCh	84, 27.462, 307.271
Yxy	64.2679, 0.2940, 0.2761
Android (android.graphics.Color)	4292790779 (0xFFDEC9FB)
YUV	212.9790, 18.7444, 7.9114
Hunter-Lab	80.1673, 12.0585, -17.8892

Details

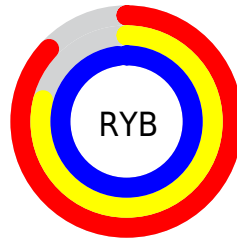
The XYZ color **68.4234, 64.2679, 100.0654** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.6751, 90.0360, 68.5461**, and the grayscale version is **63.1139, 66.4007, 72.3103**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1077, 32.9780, 55.5012** is the 20% darker color. If you saturate the color by 10%, you get **58.7756, 51.3078, 98.0733**, and if you desaturate by 10%, it is **79.4163, 79.3439, 102.3970**.

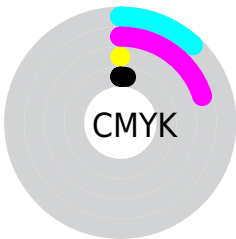
Distribution



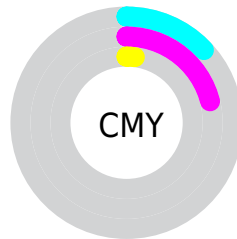
- Red (87%)
- Green (79%)
- Blue (98%)



- Red (87%)
- Yellow (79%)
- Blue (98%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (21%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4234, 64.2679, 100.0654 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 68.4234, 64.2679, 100.0654 by changing the saturation by 10% instead.

68.4234, 64.2679,
100.0654

68.4234, 64.2679,
100.0654

444.3479,
440.1564, 581.6508

50.5172, 46.8677,
75.7380

115.9962,
110.9967, 163.2997

36.0440, 32.9311,
55.7123

146.3936,
141.0940, 203.0437

24.6384, 22.0736,
39.5699

181.6853,
176.1925, 248.7636

15.9352, 13.9110,
26.8921

222.2369,
216.6766, 300.8779

9.5689, 8.0588,
17.2605

268.4135,
262.9306, 359.8053

5.1741, 4.1326,
10.2565

320.5807,

2.3856, 1.7480,

315.3390, 425.9642

5.4615

379.1037,
374.2862, 499.7732

■ 0.8379, 0.4545,
2.4571

■ 0.0000, 0.0000,
0.8173

■ 68.4234, 64.2679,
100.0654

■ 68.4234, 64.2679,
100.0654

■ 58.7756, 51.3078,
98.0733

■ 79.4163, 79.3439,
102.3970

■ 50.4109, 40.3578,
96.4007

■ 91.8008, 96.6191,
105.0787

■ 43.2709, 31.3150,
95.0315

■ 94.4128, 99.7451,
105.5444

■ 37.2900, 24.0636,
93.9471

■ 32.3957, 18.4752,
93.1264

■ 28.5062, 14.4029,
92.5454

■ 25.5254, 11.6731,
92.1756

■ 23.3035, 10.0052,
91.9707

■ 23.2873, 9.9935,
91.9693

Harmonies

Analogous

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



62.5727, 64.2679, 108.6151



68.4234, 64.2679, 100.0654



72.4859, 64.2679, 83.6923

Triad

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



68.4234, 64.2679, 100.0654



65.7028, 64.2679, 43.4686



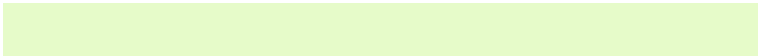
50.2304, 64.2679, 74.2899

Complementary

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



68.4234, 64.2679, 100.0654



77.6751, 90.0360, 68.5461

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.



50.9465, 64.2679, 57.8481



68.4234, 64.2679, 100.0654



59.6205, 64.2679, 41.7976

Square

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



68.4234, 64.2679, 100.0654



70.8440, 64.2679, 51.6354



54.2905, 64.2679, 46.6195



52.2656, 64.2679, 92.2163

Rectangle

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



68.4234, 64.2679, 100.0654



73.4909, 64.2679, 71.5794



54.2905, 64.2679, 46.6195



50.1598, 64.2679, 68.3984

Sweetspot

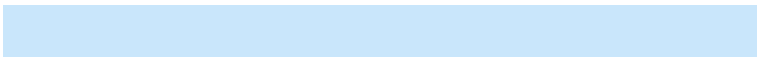
The Sweet Spot groups the original color and five complimentary colors.



68.4254, 64.2706, 100.0668



87.1720, 88.9792, 107.1880



69.8454, 76.0712, 102.2697



18.4817, 18.7993, 22.9045



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.



68.4254, 64.2706, 100.0668



66.6621, 60.8527, 102.8400



76.6001, 68.4848, 100.4494



16.9739, 16.9992, 21.7718



12.3980, 5.3341, 48.3497



1.2661, 0.5548, 4.4835

Inverse Universe

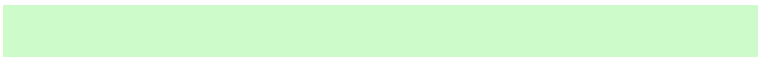
The Inverse Universe completely reimagines the original color for something new.



74.9553, 67.9984, 84.0402



74.6717, 65.4284, 83.0400



70.2648, 86.2159, 68.1993



17.6668, 17.3941, 20.1010



23.6966, 11.8943, 15.6424



2.2476, 1.1228, 1.7274

Previews

White Background



This preview shows how the XYZ color 68.4234, 64.2679, 100.0654 looks on a white background.

Color Contrast Check

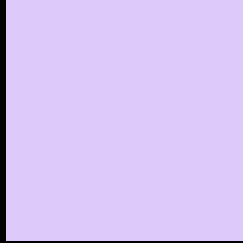
Large Text (above 18pt) WCAG AA × Fail

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 68.4234, 64.2679, 100.0654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

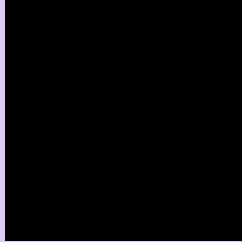
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4234, 64.2679, 100.0654

Background



This preview shows how black text looks on a background with the XYZ color 68.4234, 64.2679, 100.0654.



This preview shows how white text looks on a background with the XYZ color 68.4234, 64.2679,

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

68.4234, 64.2679, 100.0654

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

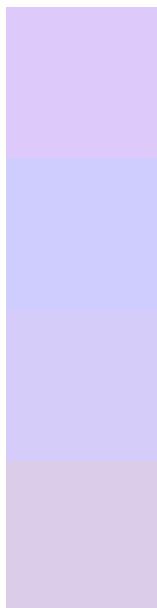
65.6650, 64.2664, 99.3862



Tritanopia

63.8714, 64.1683, 78.1266

Trichromacy



Original Color

68.4234, 64.2679, 100.0654

Protanomaly

65.4528, 64.0838, 102.6856

Deuteranomaly

66.5797, 64.3840, 99.3607

Tritanomaly

65.5143, 64.1290, 86.0160

Monochromacy



Original Color

68.4234, 64.2679, 100.0654

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.9845, 65.7459, 81.9382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4234, 64.2679, 100.0654 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, 201, 251)` looks like.

```
.text, #text, p{  
    color:rgb(222, 201, 251)  
}
```

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, 201, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 201, 251) }
```

Border

The CSS property to change the border of an element to XYZ 68.4234, 64.2679, 100.0654 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, 201, 251) }
```


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

```
.border{ border-color:rgb(222, 201, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 201, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 201, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 201, 251);  
box-shadow:4px 4px 4px 4px rgb(222, 201,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4234, 64.2679, 100.0654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 201, 251) }
```

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

```
.background{ background-color: rgb(222,  
201, 251) }
```

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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