

Converting Colors

XYZ(69.6853, 68.4375, 94.6777)

Have a look what the booklet for
XYZ(69.6853, 68.4375, 94.6777)
contains.

XYZ(69.3485, 68.0938, 94.2824)	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(69.3485, 68.0938,
94.2824)**

Conversions

Conversions Part 1

Format	Color
Hex	DED2F3
RGB	222, 210, 243
RGB Percent	87%, 82%, 95%
CMY	0.1294, 0.1765, 0.0471
CMYK	0.09, 0.14, 0.00, 0.05
HSL	262°, 58%, 89%
HSV	262°, 14%, 95%
XYZ	69.3485, 68.0938, 94.2824
YIQ	217.3500, -3.4410, 12.8070

Conversions

Conversions Part 2

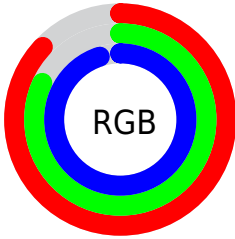
Format	Color
R _Y B	222, 210, 243
Decimal	14602995
CIE Lab	86.05, 10.24, -14.67
CIE LCh	86, 17.896, 304.917
Yxy	68.0938, 0.2993, 0.2939
Android (android.graphics.Color)	4292793075 (0xFFDED2F3)
YUV	217.3500, 12.6455, 4.0781
Hunter-Lab	82.5190, 5.6023, -9.9788

Details

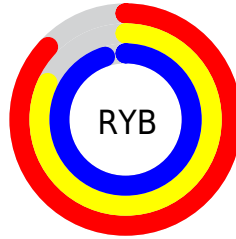
The XYZ color **69.3485, 68.0938, 94.2824** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.6407, 85.7450, 73.4870**, and the grayscale version is **66.1127, 69.5557, 75.7462**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7945, 35.5803, 51.9421** is the 20% darker color. If you saturate the color by 10%, you get **59.2777, 54.6635, 92.2219**, and if you desaturate by 10%, it is **80.7688, 83.5756, 96.6698**.

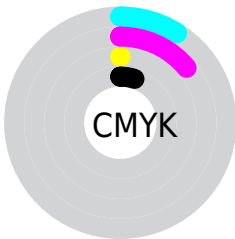
Distribution



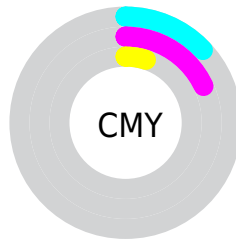
- Red (87%)
- Green (82%)
- Blue (95%)



- Red (87%)
- Yellow (82%)
- Blue (95%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)



- Cyan (13%)
- Magenta (18%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3485, 68.0938, 94.2824 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 69.3485, 68.0938, 94.2824 by changing the saturation by 10% instead.

69.3485, 68.0938,
94.2824

69.3485, 68.0938,
94.2824

447.5613,
453.8283, 562.7906

51.2733, 49.9740,
70.9443

117.3105,
116.4863, 155.2599

36.6480, 35.3928,
51.8152

147.9281,
147.5279, 193.7363

25.1075, 23.9656,
36.4765

183.4570,
183.6455, 238.0959

16.2863, 15.3081,
24.5099

224.2628,
225.2236, 288.7573

9.8191, 9.0359,
15.4966

270.7108,
272.6465, 346.1389

5.3405, 4.7646,
9.0182

323.1663,

2.4852, 2.1098,

326.2987, 410.6593

4.6560

381.9947,
386.5645, 482.7370

■ 0.8878, 0.6701,
1.9917

■ 0.0000, 0.0000,
0.5502

■ 69.3485, 68.0938,
94.2824

■ 69.3485, 68.0938,
94.2824

■ 59.2777, 54.6635,
92.2219

■ 80.7688, 83.5756,
96.6698

■ 50.4977, 43.1883,
90.4698

■ 92.4210, 98.8610,
99.0061

■ 42.9544, 33.5767,
89.0121

■ 93.1779, 99.2511,
99.0415

■ 36.5871, 25.7262,
87.8324

■ 31.3297, 19.5243,
86.9124

■ 27.1086, 14.8449,
86.2317

■ 23.8403, 11.5429,
85.7666

■ 21.4251, 9.4426,
85.4885

■ 20.2360, 8.5632,
85.3814

Harmonies

Analogous

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



65.4005, 68.0938, 99.0425



69.3485, 68.0938, 94.2824



72.1420, 68.0938, 84.1523

Triad

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



69.3485, 68.0938, 94.2824



68.1279, 68.0938, 55.4832



57.1659, 68.0938, 76.0985

Complementary

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



69.3485, 68.0938, 94.2824



76.6407, 85.7450, 73.4870

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.



57.8274, 68.0938, 64.9598



69.3485, 68.0938, 94.2824



64.0465, 68.0938, 53.8104

Square

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



69.3485, 68.0938, 94.2824



71.4166, 68.0938, 61.9331



60.3043, 68.0938, 57.0967



58.4577, 68.0938, 87.8596

Rectangle

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



69.3485, 68.0938, 94.2824



72.9122, 68.0938, 76.1651



60.3043, 68.0938, 57.0967



57.1677, 68.0938, 72.1562

Sweetspot

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



69.3505, 68.0967, 94.2839



89.5339, 92.4534, 107.7341



71.4603, 77.5790, 96.0030



18.9479, 19.4942, 23.0140



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.



69.3505, 68.0967, 94.2839



74.4714, 72.0782, 104.5952



74.5030, 70.7528, 94.5250



16.1500, 16.2200, 20.8221



11.2408, 4.7691, 46.8661



1.0966, 0.4751, 4.1242

Inverse Universe

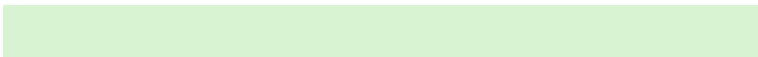
The Inverse Universe completely reimagines the original color for something new.



74.4348, 70.9202, 85.3701



81.0900, 75.7555, 92.9152



71.6954, 83.1955, 73.2555



16.9430, 16.6601, 19.4466



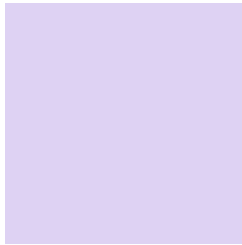
23.5840, 11.7770, 18.3154



2.1220, 1.0548, 1.8689

Previews

White Background



This preview shows how the XYZ color 69.3485, 68.0938, 94.2824 looks on a white background.

Color Contrast Check

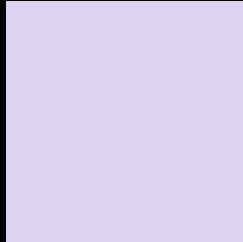
Large Text (above 18pt) WCAG AA × Fail

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 69.3485, 68.0938, 94.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

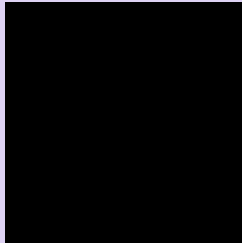
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.3485, 68.0938, 94.2824

Background



This preview shows how black text looks on a background with the XYZ color 69.3485, 68.0938, 94.2824.



This preview shows how white text looks on a background with the XYZ color 69.3485, 68.0938,

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

69.3485, 68.0938, 94.2824

Protanopia

67.1063, 68.3873, 96.0494

Deuteranopia

69.6557, 68.2522, 94.2968



Tritanopia

67.2015, 67.9598, 83.7044

Trichromacy



Original Color

69.3485, 68.0938, 94.2824

Protanomaly

67.8549, 68.4163, 95.2173

Deuteranomaly

69.6557, 68.2522, 94.2968

Tritanomaly

67.9643, 67.9012, 87.3660

Monochromacy



Original Color

69.3485, 68.0938, 94.2824

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.9875, 68.6442, 81.6705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3485, 68.0938, 94.2824 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, 210, 243)` looks like.

```
.text, #text, p{  
    color:rgb(222, 210, 243)  
}
```

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, 210, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 210, 243) }
```

Border

The CSS property to change the border of an element to XYZ 69.3485, 68.0938, 94.2824 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, 210, 243) }
```


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

```
.border{ border-color:rgb(222, 210, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 210, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 210, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 210, 243);  
box-shadow:4px 4px 4px 4px rgb(222, 210,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3485, 68.0938, 94.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 210, 243) }
```

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

```
.background{ background-color: rgb(222,  
210, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor