

# Converting Colors

XYZ(69.1478, 69.2420, 98.3741)

Have a look what the booklet for XYZ(69.1478, 69.2420, 98.3741) contains.

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# Color

**XYZ(69.3087, 69.4694,  
98.5629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D6F8
RGB	216, 214, 248
RGB Percent	85%, 84%, 97%
CMY	0.1529, 0.1608, 0.0274
CMYK	0.13, 0.14, 0.00, 0.03
HSL	244°, 71%, 91%
HSV	244°, 14%, 97%
XYZ	69.3087, 69.4694, 98.5629
YIQ	218.4740, -9.7220, 10.9980

# Conversions

## Conversions Part 2

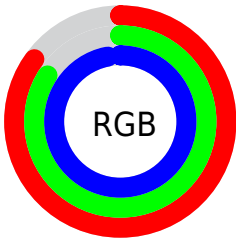
Format	Color
R <sub>YB</sub>	216, 214, 248
Decimal	14210808
CIE Lab	86.74, 7.21, -16.34
CIE LCh	87, 17.861, 293.824
Yxy	69.4694, 0.2920, 0.2927
Android (android.graphics.Color)	4292400888 (0xFFD8D6F8)
YUV	218.4740, 14.5563, -2.1697
Hunter-Lab	83.3483, 2.5730, -11.7691

# Details

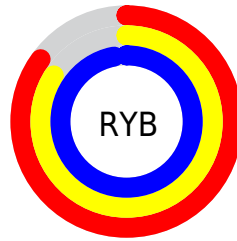
The XYZ color **69.3087, 69.4694, 98.5629** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.7136, 91.5845, 76.8871**, and the grayscale version is **66.8769, 70.3597, 76.6217**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6105, 36.1791, 54.9229** is the 20% darker color. If you saturate the color by 10%, you get **57.0906, 54.5534, 96.3289**, and if you desaturate by 10%, it is **83.4663, 86.8072, 101.1644**.

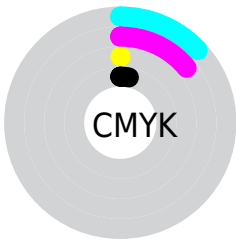
# Distribution



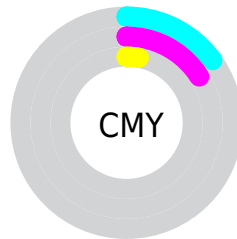
- Red (85%)
- Green (84%)
- Blue (97%)



- Red (85%)
- Yellow (84%)
- Blue (97%)



- Cyan (13%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (16%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3087, 69.4694, 98.5629 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 69.3087, 69.4694, 98.5629 by changing the saturation by 10% instead.



■ 69.3087, 69.4694,  
98.5629

■ 69.3087, 69.4694,  
98.5629

447.4234,  
458.6848, 576.7826

■ 51.2407, 51.0941,  
74.4907

117.2540,  
118.4518, 161.2155

■ 36.6220, 36.2835,  
54.6966

147.8621,  
149.8276, 200.6330

■ 25.0873, 24.6532,  
38.7619

183.3809,  
186.3058, 246.0026

■ 16.2712, 15.8189,  
26.2681

224.1758,  
228.2706, 297.7430

■ 9.8083, 9.3961,  
16.7968

270.6121,  
276.1065, 356.2727

■ 5.3333, 5.0004,  
9.9293

323.0553,

■ 2.4809, 2.2475,

330.1979, 422.0101

5.2471

381.8705,  
390.9292, 495.3739

■ 0.8856, 0.7457,  
2.3317

■ 0.0000, 0.0000,  
0.7489

■ 69.3087, 69.4694,  
98.5629

■ 69.3087, 69.4694,  
98.5629

■ 57.0906, 54.5534,  
96.3289

■ 83.4663, 86.8072,  
101.1644

■ 46.7214, 41.9433,  
94.4414

■ 93.9435, 99.5574,  
103.0732

■ 38.1130, 31.5266,  
92.8845

■ 31.1673, 23.1779,  
91.6391

■ 25.7768, 16.7592,  
90.6843

■ 21.8214, 12.1156,  
89.9965

■ 19.1631, 9.0684,  
89.5484

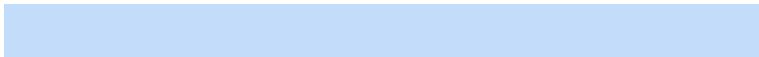
■ 17.6369, 7.4013,  
89.3070

■ 17.1335, 6.8754,  
89.2321

# Harmonies

## Analogous

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



65.1727, 69.4694, 100.7464



69.3087, 69.4694, 98.5629



72.6902, 69.4694, 89.9668

# Triad

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



69.3087, 69.4694, 98.5629



70.8579, 69.4694, 58.6325



58.3995, 69.4694, 73.2052

# Complementary

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



69.3087, 69.4694, 98.5629



83.7136, 91.5845, 76.8871

# 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.



59.7869, 69.4694, 62.9218



69.3087, 69.4694, 98.5629



66.8919, 69.4694, 55.0956

# Square

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



69.3087, 69.4694, 98.5629



73.6105, 69.4694, 66.7691



62.8536, 69.4694, 56.5796



58.9860, 69.4694, 85.2646



# Rectangle

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



69.3087, 69.4694, 98.5629



74.0031, 69.4694, 82.1959



62.8536, 69.4694, 56.5796



58.6486, 69.4694, 69.4430

# Sweetspot

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



69.3108, 69.4723, 98.5644



88.4375, 91.8882, 107.6828



77.7241, 87.1694, 101.5369



18.6714, 19.3517, 23.0011



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.



69.3108, 69.4723, 98.5644



70.6427, 70.1044, 104.4160



74.4987, 72.1468, 98.8072



16.3774, 16.6917, 21.7439



9.2919, 3.7328, 48.2043



0.8927, 0.3623, 4.4661



# Inverse Universe

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



79.3949, 74.7065, 97.4275



83.0037, 76.5210, 102.9928



78.1160, 88.6989, 76.6251



17.9464, 17.5059, 21.5736



28.9092, 13.9794, 43.0920



2.6905, 1.2999, 4.0596



# Previews

## White Background



This preview shows how the XYZ color 69.3087, 69.4694, 98.5629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

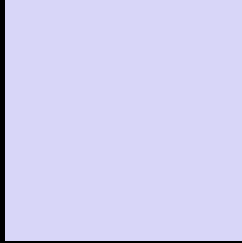
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3087, 69.4694, 98.5629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

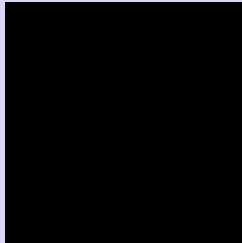
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.3087, 69.4694, 98.5629**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3087, 69.4694, 98.5629.



This preview shows how white text looks on a background with the XYZ color 69.3087, 69.4694,



# 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

69.3087, 69.4694, 98.5629

### Protanopia

68.2633, 69.2893, 99.3988

### Deuteranopia

70.9182, 69.5523, 98.4941



## Tritanopia

67.1387, 69.3484, 87.6889

# Trichromacy



## Original Color

69.3087, 69.4694, 98.5629

## Protanomaly

68.8399, 69.5866, 99.4258

## Deuteranomaly

70.2527, 69.5815, 98.5348

## Tritanomaly

67.9048, 69.2799, 91.4548

# Monochromacy



## Original Color

69.3087, 69.4694, 98.5629

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.5710, 70.0346, 84.0854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3087, 69.4694, 98.5629 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(216, 214, 248) looks like.

```
.text, #text, p{  
    color:rgb(216, 214, 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(216, 214, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 214, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3087, 69.4694, 98.5629 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(216, 214, 248) }
```



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

```
.border{ border-color:rgb(216, 214, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 214, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 214, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 214, 248);  
box-shadow:4px 4px 4px 4px rgb(216, 214,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3087, 69.4694, 98.5629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 214, 248) }
```

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

```
.background{ background-color: rgb(216,  
214, 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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