

Converting Colors

XYZ(68.7531, 65.1123,
101.0274)

Have a look what the booklet for
XYZ(68.7531, 65.1123, 101.0274)
contains.

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Color

**XYZ(68.7454, 65.1123,
101.0401)**

Conversions

Conversions Part 1

Format	Color
Hex	DDCBFC
RGB	221, 203, 252
RGB Percent	87%, 80%, 99%
CMY	0.1333, 0.2039, 0.0118
CMYK	0.12, 0.19, 0.00, 0.01
HSL	262°, 89%, 89%
HSV	262°, 19%, 99%
XYZ	68.7454, 65.1123, 101.0401
YIQ	213.9680, -5.0010, 19.0550

Conversions

Conversions Part 2

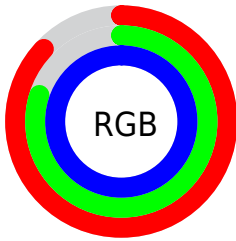
Format	Color
R _{YB}	221, 203, 252
Decimal	14535676
CIE Lab	84.54, 15.45, -21.73
CIE LCh	85, 26.663, 305.414
Yxy	65.1123, 0.2927, 0.2772
Android (android.graphics.Color)	4292725756 (0xFFDDCBFC)
YUV	213.9680, 18.7498, 6.1671
Hunter-Lab	80.6922, 10.8610, -17.7564

Details

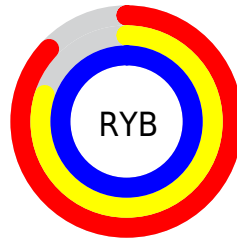
The XYZ color **68.7454, 65.1123, 101.0401** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.5238, 91.4267, 69.9587**, and the grayscale version is **63.7770, 67.0984, 73.0701**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3237, 33.5420, 56.1896** is the 20% darker color. If you saturate the color by 10%, you get **58.6454, 51.7790, 98.9999**, and if you desaturate by 10%, it is **80.2777, 80.6232, 103.4272**.

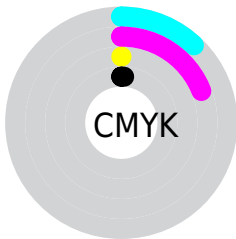
Distribution



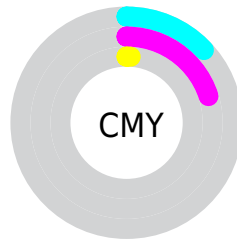
- Red (87%)
- Green (80%)
- Blue (99%)



- Red (87%)
- Yellow (80%)
- Blue (99%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7454, 65.1123, 101.0401 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 68.7454, 65.1123, 101.0401 by changing the saturation by 10% instead.

68.7454, 65.1123,
101.0401

68.7454, 65.1123,
101.0401

445.4679,
443.1954, 584.7973

50.7803, 47.5521,
76.5477

116.4539,
112.2113, 164.6501

36.2541, 33.4724,
56.3724

146.9280,
142.5189, 204.6048

24.8015, 22.4885,
40.0956

182.3025,
177.8445, 250.5508

16.0572, 14.2163,
27.2987

222.9427,
218.5724, 302.9064

9.6557, 8.2713,
17.5633

269.2140,
265.0871, 362.0904

5.2318, 4.2690,
10.4707

321.4817,

2.4201, 1.8252,

317.7729, 428.5212

5.6025

380.1113,
377.0142, 502.6173

■ 0.8551, 0.5028,
2.5401

■ 0.0000, 0.0000,
0.8613

■ 68.7454, 65.1123,
101.0401

■ 68.7454, 65.1123,
101.0401

■ 58.6454, 51.7790,
98.9999

■ 80.2777, 80.6232,
103.4272

■ 49.9123, 40.5151,
97.2860

■ 93.2920, 98.3969,
106.1720

■ 42.4841, 31.2156,
95.8825

■ 94.5709, 99.8084,
106.3770

■ 36.2915, 23.7623,
94.7703

■ 31.2579, 18.0244,
93.9280

■ 27.2974, 13.8525,
93.3315

■ 24.3094, 11.0706,
92.9521

■ 22.1463, 9.4097,
92.7455

■ 22.0412, 9.3329,
92.7362

Harmonies

Analogous

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



62.9713, 65.1123, 108.7065



68.7454, 65.1123, 101.0401



72.8666, 65.1123, 85.3972

Triad

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



68.7454, 65.1123, 101.0401



66.7627, 65.1123, 45.1147



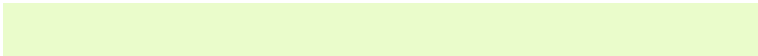
51.1976, 65.1123, 74.0277

Complementary

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



68.7454, 65.1123, 101.0401



79.5238, 91.4267, 69.9587

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.



52.0703, 65.1123, 58.1374



68.7454, 65.1123, 101.0401



60.8158, 65.1123, 43.0603

Square

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



68.7454, 65.1123, 101.0401



71.6715, 65.1123, 53.5785



55.5012, 65.1123, 47.4369



53.0367, 65.1123, 91.5933

Rectangle

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



68.7454, 65.1123, 101.0401



73.9862, 65.1123, 73.5444



55.5012, 65.1123, 47.4369



51.1850, 65.1123, 68.3124

Sweetspot

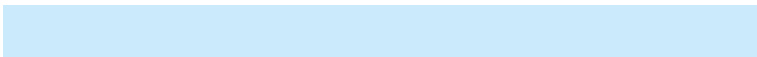
The Sweet Spot groups the original color and five complimentary colors.



68.7474, 65.1150, 101.0415



86.8898, 88.8338, 107.1748



71.6338, 78.5916, 103.4907



18.4151, 18.7650, 22.9014



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.



68.7474, 65.1150, 101.0415



66.7505, 61.7469, 103.0080



76.7478, 69.2394, 101.4160



16.8851, 16.9534, 21.7677



11.6293, 4.9378, 48.3137



1.1893, 0.5152, 4.4799

Inverse Universe

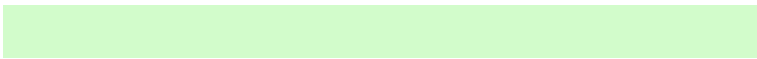
The Inverse Universe completely reimagines the original color for something new.



76.3543, 69.3506, 87.2065



75.8323, 66.8073, 86.3316



72.0378, 87.5675, 69.6084



17.7067, 17.4101, 20.3114



24.2650, 12.1217, 18.6356



2.2984, 1.1431, 1.9947

Previews

White Background



This preview shows how the XYZ color 68.7454, 65.1123, 101.0401 looks on a white background.

Color Contrast Check

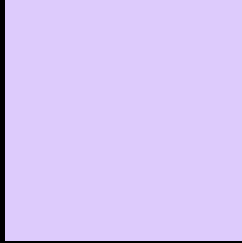
Large Text (above 18pt) WCAG AA × Fail

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 68.7454, 65.1123, 101.0401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

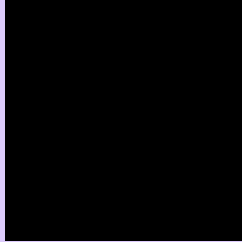
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7454, 65.1123, 101.0401

Background



This preview shows how black text looks on a background with the XYZ color 68.7454, 65.1123, 101.0401.



This preview shows how white text looks on a background with the XYZ color 68.7454, 65.1123,

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

68.7454, 65.1123, 101.0401

Protanopia

64.9379, 65.2384, 103.7774

Deuteranopia

66.6353, 65.1047, 100.3212



Tritanopia

64.3293, 65.0925, 79.6946

Trichromacy



Original Color

68.7454, 65.1123, 101.0401

Protanomaly

66.2146, 65.1913, 102.8592

Deuteranomaly

67.2682, 65.0748, 100.2821

Tritanomaly

65.8360, 64.9886, 86.9160

Monochromacy



Original Color

68.7454, 65.1123, 101.0401

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.6655, 66.4463, 82.7633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7454, 65.1123, 101.0401 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(221, 203, 252)` looks like.

```
.text, #text, p{  
    color:rgb(221, 203, 252)  
}
```

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(221, 203, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 203, 252) }
```

Border

The CSS property to change the border of an element to XYZ 68.7454, 65.1123, 101.0401 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(221, 203, 252) }
```


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

```
.border{ border-color:rgb(221, 203, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 203, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 203, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 203, 252);  
box-shadow:4px 4px 4px 4px rgb(221, 203,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7454, 65.1123, 101.0401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 203, 252) }
```

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

```
.background{ background-color: rgb(221,  
203, 252) }
```

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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