

Converting Colors

XYZ(69.6135, 70.0941, 94.6507)

Have a look what the booklet for
XYZ(69.6135, 70.0941, 94.6507)
contains.

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Color

**XYZ(69.6915, 70.1320,
94.6577)**

Conversions

Conversions Part 1

Format	Color
Hex	DBD7F3
RGB	219, 215, 243
RGB Percent	86%, 84%, 95%
CMY	0.1412, 0.1568, 0.0471
CMYK	0.10, 0.12, 0.00, 0.05
HSL	249°, 54%, 90%
HSV	249°, 12%, 95%
XYZ	69.6915, 70.1320, 94.6577
YIQ	219.3880, -6.6040, 9.5560

Conversions

Conversions Part 2

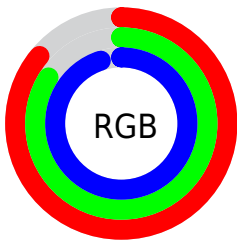
Format	Color
R _Y B	219, 215, 243
Decimal	14407667
CIE Lab	87.06, 6.64, -13.19
CIE LCh	87, 14.765, 296.718
Yxy	70.1320, 0.2972, 0.2991
Android (android.graphics.Color)	4292597747 (0xFFDBD7F3)
YUV	219.3880, 11.6407, -0.3403
Hunter-Lab	83.7449, 1.9922, -8.3947

Details

The XYZ color **69.6915, 70.1320, 94.6577** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.9155, 87.3600, 76.9435**, and the grayscale version is **67.5280, 71.0447, 77.3677**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8503, 36.6220, 52.1402** is the 20% darker color. If you saturate the color by 10%, you get **58.0782, 55.6332, 92.4723**, and if you desaturate by 10%, it is **83.0122, 86.8790, 97.1892**.

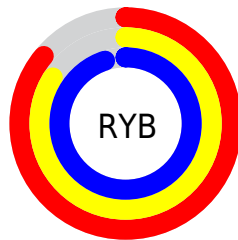
Distribution



Red (86%)

Green (84%)

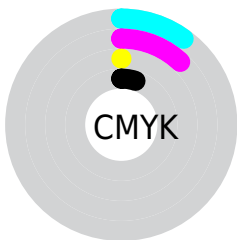
Blue (95%)



Red (86%)

Yellow (84%)

Blue (95%)

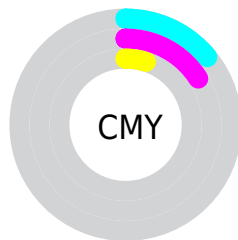


Cyan (10%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (14%)

Magenta (16%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6915, 70.1320, 94.6577 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 69.6915, 70.1320, 94.6577 by changing the saturation by 10% instead.

■ 69.6915, 70.1320,
94.6577

■ 69.6915, 70.1320,
94.6577

448.7494,
461.0133, 564.0249

■ 51.5538, 51.6342,
71.2548

117.7974,
119.3970, 155.7831

■ 36.8723, 36.7135,
52.0670

148.4962,
150.9329, 194.3427

■ 25.2819, 24.9858,
36.6759

184.1128,
187.5836, 238.7917

■ 16.4170, 16.0665,
24.6628

225.0125,
229.7336, 289.5484

■ 9.9125, 9.5712,
15.6093

271.5607,
277.7671, 347.0316

■ 5.4028, 5.1156,
9.0968

324.1226,

■ 2.5226, 2.3152,

332.0687, 411.6597

4.7067

383.0637,
393.0226, 483.8513

■ 0.9067, 0.7818,
2.0205

■ 0.0000, 0.0000,
0.5678

■ 69.6915, 70.1320,
94.6577

■ 69.6915, 70.1320,
94.6577

■ 58.0782, 55.6332,
92.4723

■ 83.0122, 86.8790,
97.1892

■ 48.0969, 43.2781,
90.6136

■ 93.1779, 99.2511,
99.0415

■ 39.6755, 32.9671,
89.0673

■ 32.7345, 24.5894,
87.8160

■ 27.1869, 18.0232,
86.8410

■ 22.9364, 13.1331,
86.1212

■ 19.8744, 9.7644,
85.6323

■ 17.8733, 7.7326,
85.3456

■ 16.8606, 6.8231,
85.2234

Harmonies

Analogous

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



66.2786, 70.1320, 96.9857



69.6915, 70.1320, 94.6577



72.3705, 70.1320, 87.2911

Triad

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



69.6915, 70.1320, 94.6577



70.3726, 70.1320, 61.5287



60.2405, 70.1320, 75.2772

Complementary

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



69.6915, 70.1320, 94.6577



79.9155, 87.3600, 76.9435

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.



61.2550, 70.1320, 66.3852



69.6915, 70.1320, 94.6577



67.0396, 70.1320, 58.8908

Square

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



69.6915, 70.1320, 94.6577



72.7732, 70.1320, 68.1194



63.7145, 70.1320, 60.5898



60.8960, 70.1320, 85.2437

Rectangle

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



69.6915, 70.1320, 94.6577



73.3386, 70.1320, 80.8190



63.7145, 70.1320, 60.5898



60.3966, 70.1320, 72.0716

Sweetspot

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



69.6936, 70.1349, 94.6593



90.2863, 93.9932, 107.9916



75.1488, 82.8093, 96.8181



19.0589, 19.7833, 23.0640



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.



69.6936, 70.1349, 94.6593



74.3235, 73.9505, 104.9643



73.9977, 72.3538, 94.8607



15.8012, 16.0402, 20.8058



9.3198, 3.7788, 46.7762



0.8852, 0.3662, 4.1143

Inverse Universe

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



76.8450, 73.8906, 91.8769



83.8900, 78.9758, 101.1853



75.4531, 85.0596, 76.7347



17.1059, 16.7252, 20.3043



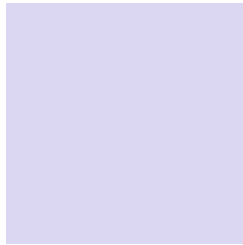
26.5941, 12.9811, 34.1664



2.3647, 1.1518, 3.1467

Previews

White Background



This preview shows how the XYZ color 69.6915, 70.1320, 94.6577 looks on a white background.

Color Contrast Check

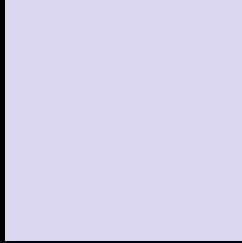
Large Text (above 18pt) WCAG AA × Fail

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 69.6915, 70.1320, 94.6577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

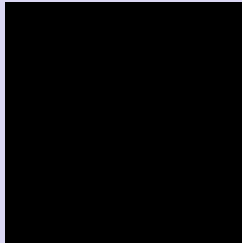
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6915, 70.1320, 94.6577

Background



This preview shows how black text looks on a background with the XYZ color 69.6915, 70.1320, 94.6577.



This preview shows how white text looks on a background with the XYZ color 69.6915, 70.1320,

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

69.6915, 70.1320, 94.6577

Protanopia

68.6166, 69.9395, 95.4711

Deuteranopia

71.5512, 69.9495, 95.3184



Tritanopia

68.2794, 70.3179, 87.8159

Trichromacy



Original Color

69.6915, 70.1320, 94.6577

Protanomaly

69.2039, 70.2423, 95.4986

Deuteranomaly

70.8639, 69.9674, 95.3581

Tritanomaly

68.7554, 70.1316, 90.0337

Monochromacy



Original Color

69.6915, 70.1320, 94.6577

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

68.2884, 70.8043, 83.4662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6915, 70.1320, 94.6577 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(219, 215, 243)` looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 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(219, 215, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 243) }
```

Border

The CSS property to change the border of an element to XYZ 69.6915, 70.1320, 94.6577 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(219, 215, 243) }
```


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

```
.border{ border-color:rgb(219, 215, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 215, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 243);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6915, 70.1320, 94.6577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 215, 243) }
```

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

```
.background{ background-color: rgb(219,  
215, 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](#).

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