

Converting Colors

XYZ(97.0201, 83.7647,
234.6156)

Have a look what the booklet for
XYZ(97.0201, 83.7647, 234.6156)
contains.

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Color

**XYZ(72.4902, 74.0615,
105.0824)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DEFF
RGB	216, 222, 255
RGB Percent	85%, 87%, 100%
CMY	0.1529, 0.1294, 0.0000
CMYK	0.15, 0.13, 0.00, 0.00
HSL	231°, 100%, 92%
HSV	231°, 15%, 100%
XYZ	72.4902, 74.0615, 105.0824
YIQ	223.9680, -14.1690, 8.9910

Conversions

Conversions Part 2

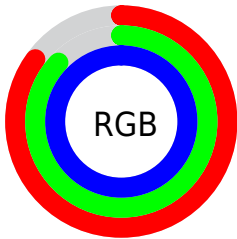
Format	Color
R _Y B	216, 221, 255
Decimal	14212863
CIE Lab	88.95, 4.45, -16.69
CIE LCh	89, 17.277, 284.919
Yxy	74.0615, 0.2881, 0.2943
Android (android.graphics.Color)	4292402943 (0xFFD8DEFF)
YUV	223.9680, 15.2988, -6.9879
Hunter-Lab	86.0590, -0.2471, -12.1548

Details

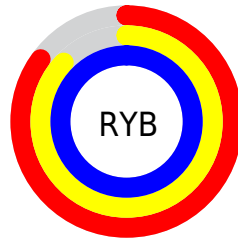
The XYZ color **72.4902, 74.0615, 105.0824** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5099, 93.9679, 78.4928**, and the grayscale version is **70.7319, 74.4155, 81.0384**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7097, 39.2917, 58.9699** is the 20% darker color. If you saturate the color by 10%, you get **60.1649, 59.7399, 102.9677**, and if you desaturate by 10%, it is **86.7219, 90.4582, 107.4972**.

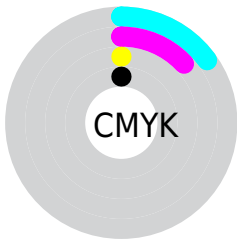
Distribution



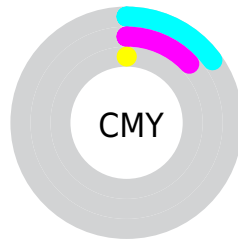
- Red (85%)
- Green (87%)
- Blue (100%)



- Red (85%)
- Yellow (87%)
- Blue (100%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4902, 74.0615, 105.0824 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 72.4902, 74.0615, 105.0824 by changing the saturation by 10% instead.

72.4902, 74.0615,
105.0824

72.4902, 74.0615,
105.0824

458.3772,
474.6856, 597.7526

53.8461, 54.8444,
79.9113

121.7602,
124.9830, 170.2368

38.7088, 39.2771,
59.1197

153.1169,
157.4561, 211.0572

26.7130, 26.9754,
42.2888

189.4418,
195.1167, 257.9311

17.4933, 17.5547,
29.0002

231.1003,
238.3492, 311.2771

10.6843, 10.6308,
18.8354

278.4577,
287.5379, 371.5137

5.9207, 5.8192,
11.3758

331.8794,

2.8371, 2.7354,

343.0673, 439.0595

6.2029

391.7308,
405.3217, 514.3329

■ 1.0682, 0.9952,
2.8980

■ 0.0000, 0.0000,
1.0428

■ 72.4902, 74.0615,
105.0824

■ 72.4902, 74.0615,
105.0824

■ 60.1649, 59.7399,
102.9677

■ 86.7219, 90.4582,
107.4972

■ 49.6586, 47.4016,
101.1399

95.0500, 100.0000,
108.9000

■ 40.8859, 36.9610,
99.5870

■ 33.7524, 28.3228,
98.2956

■ 28.1542, 21.3832,
97.2512

■ 23.9754, 16.0275,
96.4377

■ 21.0830, 12.1265,
95.8372

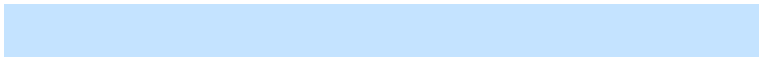
■ 19.3169, 9.5288,
95.4289

■ 18.7837, 8.6875,
95.2946

Harmonies

Analogous

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



68.3156, 74.0615, 105.0624



72.4902, 74.0615, 105.0824



76.2431, 74.0615, 98.1269

Triad

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



72.4902, 74.0615, 105.0824



76.2600, 74.0615, 65.4053



62.8894, 74.0615, 74.7788

Complementary

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



72.4902, 74.0615, 105.0824



87.5099, 93.9679, 78.4928

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.



64.8505, 74.0615, 65.3654



72.4902, 74.0615, 105.0824



72.5125, 74.0615, 60.3306

Square

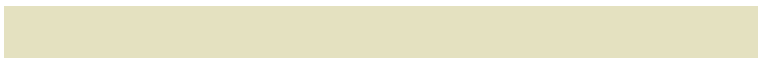
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4902, 74.0615, 105.0824



78.4777, 74.0615, 74.8385



68.3371, 74.0615, 60.3167



62.8840, 74.0615, 86.7347

Rectangle

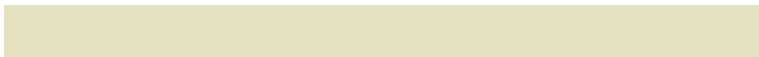
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4902, 74.0615, 105.0824



77.9536, 74.0615, 90.8331



68.3371, 74.0615, 60.3167



63.3382, 74.0615, 71.2402

Sweetspot

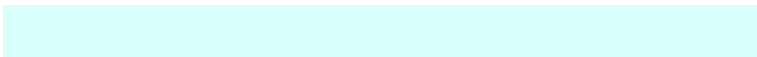
The Sweet Spot groups the original color and five complimentary colors.



72.4922, 74.0645, 105.0829



87.1685, 90.9708, 107.5726



81.1007, 92.9277, 102.8769



18.4291, 19.2092, 22.9864



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.



72.4922, 74.0645, 105.0829



68.9709, 69.9861, 104.4813



74.9201, 72.9913, 104.7478



17.2287, 17.8290, 22.7832



9.8817, 4.6729, 49.8157



1.0248, 0.5803, 4.8713

Inverse Universe

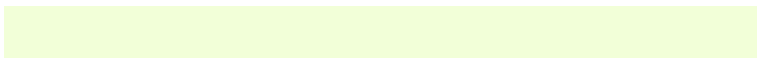
The Inverse Universe completely reimagines the original color for something new.



78.9820, 75.6472, 79.5493



76.4810, 71.8764, 74.9201



84.7732, 95.3554, 78.9048



18.1233, 18.0326, 19.2666



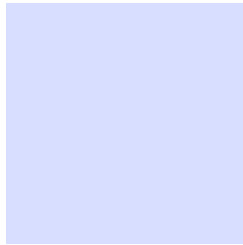
21.7760, 11.1997, 2.2050



2.1519, 1.1031, 0.3813

Previews

White Background



This preview shows how the XYZ color 72.4902, 74.0615, 105.0824 looks on a white background.

Color Contrast Check

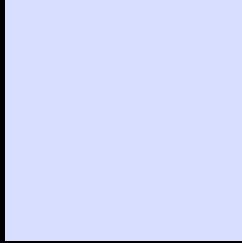
Large Text (above 18pt) WCAG AA × Fail

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 72.4902, 74.0615, 105.0824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

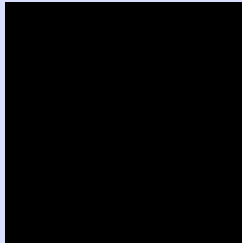
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.4902, 74.0615, 105.0824

Background



This preview shows how black text looks on a background with the XYZ color 72.4902, 74.0615, 105.0824.

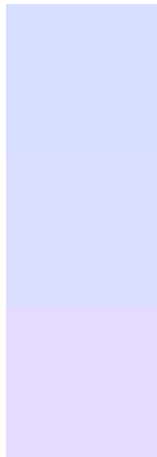


This preview shows how white text looks on a background with the XYZ color 72.4902, 74.0615,

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

72.4902, 74.0615, 105.0824

Protanopia

73.0847, 74.3680, 105.1102

Deuteranopia

75.4345, 74.0208, 104.9194



Tritanopia

70.4142, 74.0183, 94.5801

Trichromacy



Original Color

72.4902, 74.0615, 105.0824

Protanomaly

72.7865, 74.2143, 105.0963

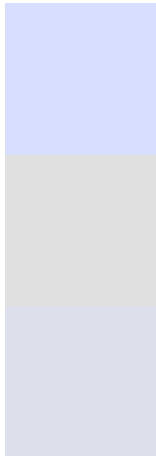
Deuteranomaly

74.1220, 73.7303, 104.9325

Tritanomaly

71.2005, 73.9378, 98.5144

Monochromacy



Original Color

72.4902, 74.0615, 105.0824

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

71.2019, 74.1457, 89.1561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4902, 74.0615, 105.0824 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 255)  
}
```

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, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.4902, 74.0615, 105.0824 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, 222, 255) }
```


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

```
.border{ border-color:rgb(216, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4902, 74.0615, 105.0824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 255) }
```

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

```
.background{ background-color: rgb(216,  
222, 255) }
```

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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