

Converting Colors

XYZ(72.3617, 64.0658,
103.9392)

Have a look what the booklet for
XYZ(72.3617, 64.0658, 103.9392)
contains.

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Color

**XYZ(72.1572, 64.0831,
103.1739)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC3FF
RGB	236, 195, 255
RGB Percent	93%, 76%, 100%
CMY	0.0745, 0.2353, 0.0000
CMYK	0.07, 0.24, 0.00, 0.00
HSL	281°, 100%, 88%
HSV	281°, 24%, 100%
XYZ	72.1572, 64.0831, 103.1739
YIQ	214.0990, 5.1760, 27.3520

Conversions

Conversions Part 2

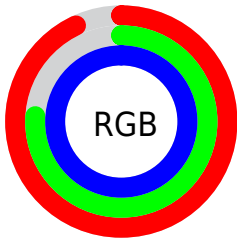
Format	Color
R_{YB}	236, 195, 255
Decimal	15516671
CIE _{Lab}	84.01, 25.05, -24.01
CIE _{LCh}	84, 34.701, 316.214
Yxy	64.0831, 0.3014, 0.2677
Android (android.graphics.Color)	4293706751 (0xFFECC3FF)
YUV	214.0990, 20.1642, 19.2072
Hunter-Lab	80.0519, 20.8055, -20.3788

Details

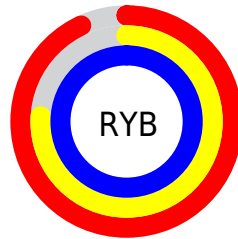
The XYZ color **72.1572, 64.0831, 103.1739** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.3434, 89.7570, 65.0920**, and the grayscale version is **63.8509, 67.1762, 73.1548**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **38.5403, 32.8303, 57.7317** is the 20% darker color. If you saturate the color by 10%, you get **64.3040, 52.2664, 101.3070**, and if you desaturate by 10%, it is **81.1109, 77.9188, 105.3726**.

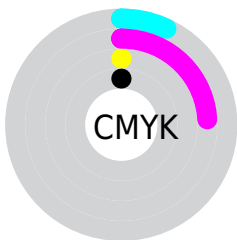
Distribution



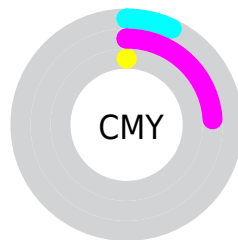
- Red (93%)
- Green (76%)
- Blue (100%)



- Red (93%)
- Yellow (76%)
- Blue (100%)



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1572, 64.0831, 103.1739 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 72.1572, 64.0831, 103.1739 by changing the saturation by 10% instead.

72.1572, 64.0831,
103.1739

72.1572, 64.0831,
103.1739

457.2377,
439.4897, 591.6546

53.5730, 46.7180,
78.3222

121.2896,
110.7306, 167.6018

38.4897, 32.8128,
57.8207

152.5685,
140.7818, 208.0152

26.5419, 21.9831,
41.2508

188.8097,
175.8304, 254.4528

17.3643, 13.8444,
28.1939

230.3786,
216.2610, 307.3334

10.5915, 8.0126,
18.2316

277.6405,
262.4578, 367.0752

5.8581, 4.1030,
10.9452

330.9607,

2.7988, 1.7313,

314.8052, 434.0971

5.9163

390.7047,
373.6877, 508.8173

■ 1.0483, 0.4438,
2.7263

■ 0.0000, 0.0000,
0.9566

■ 72.1572, 64.0831,
103.1739

■ 72.1572, 64.0831,
103.1739

■ 64.3040, 52.2664,
101.3070

■ 81.1109, 77.9188,
105.3726

■ 57.4946, 42.3607,
99.7539

■ 91.2072, 93.8585,
107.9171

■ 51.6754, 34.2602,
98.4970

95.0500, 100.0000,
108.9000

■ 46.7853, 27.8450,
97.5165

■ 42.7556, 22.9806,
96.7900

■ 39.5073, 19.5110,
96.2915

■ 36.9440, 17.2465,
95.9895

■ 35.5617, 16.2476,
95.8695

Harmonies

Analogous

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



65.1092, 64.0831, 118.5472



72.1572, 64.0831, 103.1739



76.3406, 64.0831, 80.3037

Triad

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



72.1572, 64.0831, 103.1739



64.4820, 64.0831, 36.3381



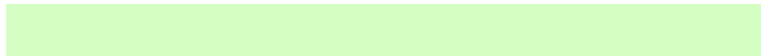
47.8484, 64.0831, 82.2115

Complementary

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



72.1572, 64.0831, 103.1739



73.3434, 89.7570, 65.0920

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.



47.7112, 64.0831, 60.2104



72.1572, 64.0831, 103.1739



56.8936, 64.0831, 36.6379

Square

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



72.1572, 64.0831, 103.1739



71.6651, 64.0831, 43.5679



50.8952, 64.0831, 44.4962



51.2870, 64.0831, 104.8202

Rectangle

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



72.1572, 64.0831, 103.1739



76.7335, 64.0831, 65.3146



50.8952, 64.0831, 44.4962



47.4251, 64.0831, 74.4352

Sweetspot

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



72.1590, 64.0858, 103.1743



87.5686, 88.0790, 106.9933



64.6045, 66.9177, 104.1191



18.6110, 18.6432, 22.8675



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.



72.1590, 64.0858, 103.1743



68.5131, 58.5563, 102.2992



77.0855, 66.8242, 94.4242



18.2004, 17.9951, 22.7641



18.7435, 8.5731, 50.1015



1.9383, 0.8932, 4.8835

Inverse Universe

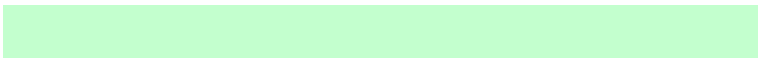
The Inverse Universe completely reimagines the original color for something new.



72.8943, 65.1477, 72.3532



69.4636, 59.8414, 66.4155



69.4081, 87.5792, 71.6415



18.2463, 18.0818, 19.9144



22.3793, 11.4410, 5.3820



2.2261, 1.1328, 0.7719

Previews

White Background



This preview shows how the XYZ color 72.1572, 64.0831, 103.1739 looks on a white background.

Color Contrast Check

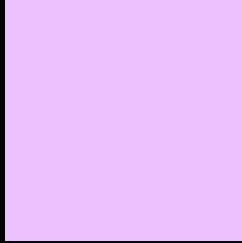
Large Text (above 18pt) WCAG AA × Fail

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 72.1572, 64.0831, 103.1739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

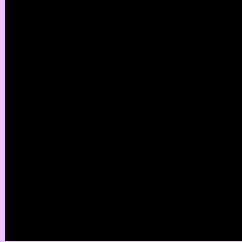
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1572, 64.0831, 103.1739

Background



This preview shows how black text looks on a background with the XYZ color 72.1572, 64.0831, 103.1739.

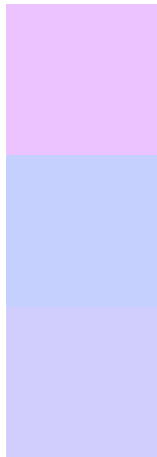


This preview shows how white text looks on a background with the XYZ color 72.1572, 64.0831,

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

72.1572, 64.0831, 103.1739

Protanopia

63.8946, 64.3375, 103.6585

Deuteranopia

65.8554, 64.3098, 101.8706



Tritanopia

66.4085, 64.1260, 75.2071

Trichromacy



Original Color

72.1572, 64.0831, 103.1739

Protanomaly

66.5573, 63.9289, 103.4393

Deuteranomaly

67.9895, 63.9891, 102.5336

Tritanomaly

68.1259, 63.7722, 84.3199

Monochromacy



Original Color

72.1572, 64.0831, 103.1739

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

66.5799, 65.8124, 83.3227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1572, 64.0831, 103.1739 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(236, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 195, 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(236, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.1572, 64.0831, 103.1739 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(236, 195, 255) }
```


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

```
.border{ border-color:rgb(236, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1572, 64.0831, 103.1739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 195, 255) }
```

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

```
.background{ background-color: rgb(236,  
195, 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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