

Converting Colors

XYZ(91.9085, 75.2203,
203.3026)

Have a look what the booklet for
XYZ(91.9085, 75.2203, 203.3026)
contains.

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Color

**XYZ(72.9216, 67.5615,
103.8050)**

Conversions

Conversions Part 1

Format	Color
Hex	E8CCFF
RGB	232, 204, 255
RGB Percent	91%, 80%, 100%
CMY	0.0902, 0.2000, 0.0000
CMYK	0.09, 0.20, 0.00, 0.00
HSL	273°, 100%, 90%
HSV	273°, 20%, 100%
XYZ	72.9216, 67.5615, 103.8050
YIQ	218.1860, 0.3170, 21.7970

Conversions

Conversions Part 2

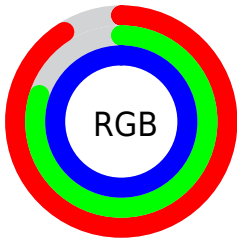
Format	Color
R _Y B	232, 204, 255
Decimal	15256831
CIE Lab	85.79, 18.99, -21.35
CIE LCh	86, 28.574, 311.662
Yxy	67.5615, 0.2985, 0.2766
Android (android.graphics.Color)	4293446911 (0xFFE8CCFF)
YUV	218.1860, 18.1493, 12.1149
Hunter-Lab	82.1958, 14.5171, -17.3402

Details

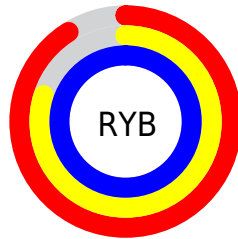
The XYZ color **72.9216, 67.5615, 103.8050** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.3391, 92.2112, 70.7995**, and the grayscale version is **66.6491, 70.1201, 76.3607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0039, 35.1200, 58.1492** is the 20% darker color. If you saturate the color by 10%, you get **63.7385, 54.5563, 101.7788**, and if you desaturate by 10%, it is **83.3450, 82.6827, 106.1743**.

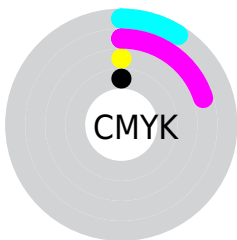
Distribution



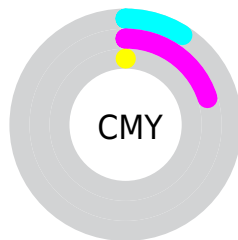
- Red (91%)
- Green (80%)
- Blue (100%)



- Red (91%)
- Yellow (80%)
- Blue (100%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9216, 67.5615, 103.8050 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 72.9216, 67.5615, 103.8050 by changing the saturation by 10% instead.

72.9216, 67.5615,
103.8050

72.9216, 67.5615,
103.8050

459.8510,
451.9408, 593.6747

54.2000, 49.5411,
78.8475

122.3696,
115.7246, 168.4737

38.9929, 35.0489,
58.2499

153.8268,
146.6361, 209.0220

26.9349, 23.7005,
41.5935

190.2598,
182.6134, 255.6043

17.6607, 15.1116,
28.4600

232.0342,
224.0409, 308.6391

10.8049, 8.8978,
18.4306

279.5151,
271.3030, 368.5450

6.0021, 4.6746,
11.0870

333.0680,

2.8870, 2.0576,

324.7841, 435.7406

6.0104

393.0582,
384.8686, 510.6443

■ 1.0943, 0.6406,
2.7825

■ 0.0203, 0.0000,
0.9847

■ 72.9216, 67.5615,
103.8050

■ 72.9216, 67.5615,
103.8050

■ 63.7385, 54.5563,
101.7788

■ 83.3450, 82.6827,
106.1743

■ 55.7372, 43.5597,
100.0779

95.0500, 100.0000,
108.9000

■ 48.8625, 34.4678,
98.6853

■ 43.0521, 27.1631,
97.5817

■ 38.2371, 21.5152,
96.7453

■ 34.3388, 17.3749,
96.1516

■ 31.2645, 14.5645,
95.7712

■ 28.8657, 12.7958,
95.5562

■ 28.8653, 12.7955,
95.5561

Harmonies

Analogous

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



66.7849, 67.5615, 114.6633



72.9216, 67.5615, 103.8050



76.8760, 67.5615, 85.4571

Triad

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



72.9216, 67.5615, 103.8050



68.2440, 67.5615, 44.4551



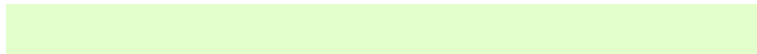
52.6947, 67.5615, 81.0680

Complementary

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



72.9216, 67.5615, 103.8050



78.3391, 92.2112, 70.7995

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.



53.0268, 67.5615, 62.8271



72.9216, 67.5615, 103.8050



61.7123, 67.5615, 43.6855

Square

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



72.9216, 67.5615, 103.8050



74.0519, 67.5615, 52.1693



56.2309, 67.5615, 49.8516



55.2906, 67.5615, 100.1270

Rectangle

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



72.9216, 67.5615, 103.8050



77.5906, 67.5615, 72.5257



56.2309, 67.5615, 49.8516



52.4726, 67.5615, 74.6101

Sweetspot

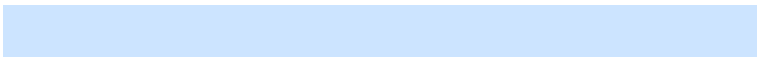
The Sweet Spot groups the original color and five complimentary colors.



72.9235, 67.5643, 103.8055



87.8687, 89.3384, 107.2206



70.6423, 75.4363, 105.4452



18.6463, 18.8842, 22.9122



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.



72.9235, 67.5643, 103.8055



69.1022, 62.1106, 102.9542



80.6115, 71.5591, 102.7430



17.9564, 17.8693, 22.7527



15.2572, 6.7759, 49.9383



1.6115, 0.7247, 4.8682

Inverse Universe

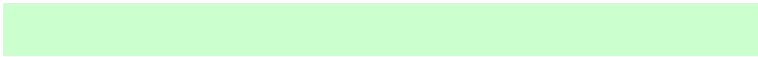
The Inverse Universe completely reimagines the original color for something new.



76.6995, 69.9943, 82.1427



73.5918, 64.9964, 77.3532



71.7679, 88.8000, 71.5622



18.3499, 18.1233, 20.4598



23.2386, 11.7847, 9.9068



2.3168, 1.1691, 1.2498

Previews

White Background



This preview shows how the XYZ color 72.9216, 67.5615, 103.8050 looks on a white background.

Color Contrast Check

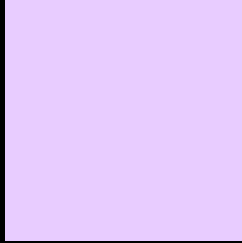
Large Text (above 18pt) WCAG AA × Fail

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 72.9216, 67.5615, 103.8050 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 72.9216, 67.5615, 103.8050

Background



This preview shows how black text looks on a background with the XYZ color 72.9216, 67.5615, 103.8050.



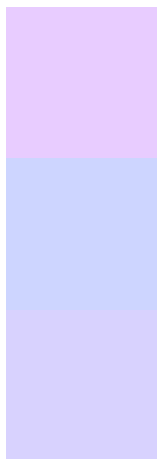
This preview shows how white text looks on a background with the XYZ color 72.9216, 67.5615,

103.8050.

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

72.9216, 67.5615, 103.8050

Protanopia

67.0211, 67.7876, 104.1597

Deuteranopia

69.2549, 67.8479, 103.2118



Tritanopia

68.2065, 67.4228, 81.3705

Trichromacy



Original Color

72.9216, 67.5615, 103.8050

Protanomaly

69.1209, 67.7603, 104.0437

Deuteranomaly

70.5695, 67.7971, 103.1327

Tritanomaly

69.9120, 67.3981, 89.4451

Monochromacy



Original Color

72.9216, 67.5615, 103.8050

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.6495, 69.0460, 85.3103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9216, 67.5615, 103.8050 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(232, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 204, 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(232, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.9216, 67.5615, 103.8050 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(232, 204, 255) }
```


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

```
.border{ border-color:rgb(232, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9216, 67.5615, 103.8050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 204, 255) }
```

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

```
.background{ background-color: rgb(232,  
204, 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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