

Converting Colors

XYZ(71.9365, 66.3542,
103.6239)

Have a look what the booklet for
XYZ(71.9365, 66.3542, 103.6239)
contains.

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Color

**XYZ(71.8037, 66.2841,
103.6174)**

Conversions

Conversions Part 1

Format	Color
Hex	E6CAFF
RGB	230, 202, 255
RGB Percent	90%, 79%, 100%
CMY	0.0980, 0.2078, 0.0000
CMYK	0.10, 0.21, 0.00, 0.00
HSL	272°, 100%, 90%
HSV	272°, 21%, 100%
XYZ	71.8037, 66.2841, 103.6174
YIQ	216.4140, -0.3250, 22.4190

Conversions

Conversions Part 2

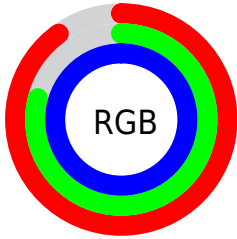
Format	Color
R_{YB}	230, 202, 255
Decimal	15125247
CIE _{Lab}	85.14, 19.43, -22.34
CIE _{LCh}	85, 29.606, 311.007
Yxy	66.2841, 0.2971, 0.2742
Android (android.graphics.Color)	4293315327 (0xFFE6CAFF)
YUV	216.4140, 19.0229, 11.9149
Hunter-Lab	81.4150, 14.9511, -18.4682

Details

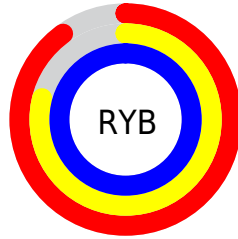
The XYZ color **71.8037, 66.2841, 103.6174** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.1007, 92.1159, 69.5441**, and the grayscale version is **65.4287, 68.8361, 74.9625**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2385, 34.2557, 58.0227** is the 20% darker color. If you saturate the color by 10%, you get **62.5802, 53.3705, 101.6109**, and if you desaturate by 10%, it is **82.2859, 81.3176, 105.9667**.

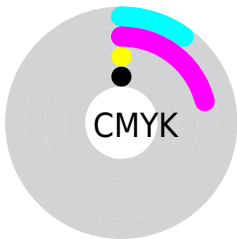
Distribution



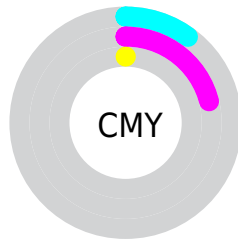
- Red (90%)
- Green (79%)
- Blue (100%)



- Red (90%)
- Yellow (79%)
- Blue (100%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8037, 66.2841, 103.6174 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 71.8037, 66.2841, 103.6174 by changing the saturation by 10% instead.

71.8037, 66.2841,
103.6174

71.8037, 66.2841,
103.6174

456.0263,
447.3922, 593.0746

53.2832, 48.5031,
78.6913

120.7897,
113.8940, 168.2146

38.2573, 34.2254,
58.1223

151.9860,
144.4916, 208.7228

26.3606, 23.0668,
41.4916

188.1382,
180.1303, 255.2621

17.2277, 14.6429,
28.3808

229.6117,
221.1943, 308.2511

10.4933, 8.5691,
18.3714

276.7720,
268.0681, 368.1083

5.7920, 4.4612,
11.0448

329.9842,

2.7585, 1.9348,

321.1361, 435.2523

5.9824

389.6139,
380.7827, 510.1015

■ 1.0274, 0.5692,
2.7658

■ 0.0000, 0.0000,
0.9763

■ 71.8037, 66.2841,
103.6174

■ 71.8037, 66.2841,
103.6174

■ 62.5802, 53.3705,
101.6109

■ 82.2859, 81.3176,
105.9667

■ 54.5559, 42.4689,
99.9296

■ 94.0715, 98.5557,
108.6728

■ 47.6746, 33.4738,
98.5561

■ 95.0500, 100.0000,
108.9000

■ 41.8728, 26.2669,
97.4708

■ 37.0800, 20.7158,
96.6519

■ 33.2160, 16.6691,
96.0745

■ 30.1857, 13.9460,
95.7086

■ 27.9960, 12.3474,
95.5155

Harmonies

Analogous

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



65.4835, 66.2841, 114.6023



71.8037, 66.2841, 103.6174



75.9335, 66.2841, 84.8088

Triad

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



71.8037, 66.2841, 103.6174



67.2714, 66.2841, 42.6955



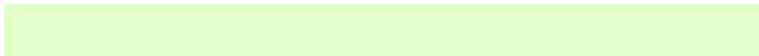
51.2231, 66.2841, 79.4203

Complementary

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



71.8037, 66.2841, 103.6174



78.1007, 92.1159, 69.5441

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.



51.6273, 66.2841, 60.8575



71.8037, 66.2841, 103.6174



60.5821, 66.2841, 41.7685

Square

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



71.8037, 66.2841, 103.6174



73.1918, 66.2841, 50.6398



54.9489, 66.2841, 47.8347



53.8031, 66.2841, 99.0782

Rectangle

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



71.8037, 66.2841, 103.6174



76.7254, 66.2841, 71.5281



54.9489, 66.2841, 47.8347



51.0195, 66.2841, 72.8199

Sweetspot

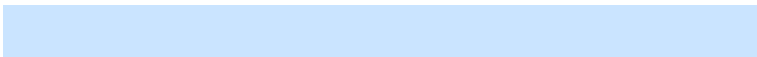
The Sweet Spot groups the original color and five complimentary colors.



71.8056, 66.2868, 103.6178



87.7563, 89.2805, 107.2153



70.0473, 75.0548, 105.4029



18.6197, 18.8705, 22.9109



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.



71.8056, 66.2868, 103.6178



67.7646, 60.5869, 102.7306



80.2698, 70.6667, 103.2733



17.9191, 17.8500, 22.7509



14.8025, 6.5414, 49.9170



1.5675, 0.7020, 4.8662

Inverse Universe

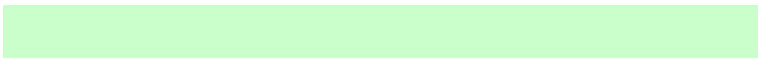
The Inverse Universe completely reimagines the original color for something new.



76.2273, 69.0497, 81.9854



73.0193, 63.8683, 77.1103



70.8847, 88.3837, 69.7539



18.3661, 18.1297, 20.5448



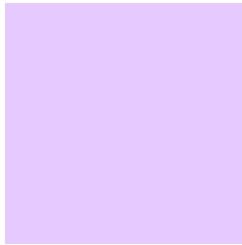
23.4033, 11.8506, 10.7744



2.3334, 1.1757, 1.3370

Previews

White Background



This preview shows how the XYZ color 71.8037, 66.2841, 103.6174 looks on a white background.

Color Contrast Check

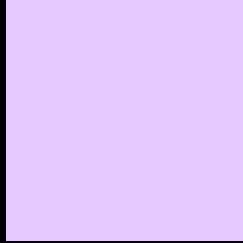
Large Text (above 18pt) WCAG AA × Fail

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 71.8037, 66.2841, 103.6174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

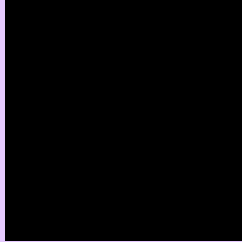
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.8037, 66.2841, 103.6174

Background



This preview shows how black text looks on a background with the XYZ color 71.8037, 66.2841, 103.6174.



This preview shows how white text looks on a background with the XYZ color 71.8037, 66.2841,

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

71.8037, 66.2841, 103.6174

Protanopia

65.9729, 66.5050, 103.9674

Deuteranopia

67.8858, 66.4136, 103.0071



Tritanopia

67.0618, 66.5011, 79.8225

Trichromacy



Original Color

71.8037, 66.2841, 103.6174

Protanomaly

68.0464, 66.4779, 103.8528

Deuteranomaly

69.1741, 66.3584, 102.9285

Tritanomaly

68.7453, 66.4717, 87.8043

Monochromacy



Original Color

71.8037, 66.2841, 103.6174

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

67.3960, 67.6739, 84.3731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8037, 66.2841, 103.6174 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(230, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 202, 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(230, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.8037, 66.2841, 103.6174 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(230, 202, 255) }
```


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

```
.border{ border-color:rgb(230, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8037, 66.2841, 103.6174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 202, 255) }
```

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

```
.background{ background-color: rgb(230,  
202, 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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