

Converting Colors

XYZ(72.2162, 65.4277,
103.4304)

Have a look what the booklet for
XYZ(72.2162, 65.4277, 103.4304)
contains.

XYZ(72.0777, 65.3905, 103.4305)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.0777, 65.3905,
103.4305)**

Conversions

Conversions Part 1

Format	Color
Hex	E9C7FF
RGB	233, 199, 255
RGB Percent	91%, 78%, 100%
CMY	0.0863, 0.2196, 0.0000
CMYK	0.09, 0.22, 0.00, 0.00
HSL	276°, 100%, 89%
HSV	276°, 22%, 100%
XYZ	72.0777, 65.3905, 103.4305
YIQ	215.5500, 2.2880, 24.6240

Conversions

Conversions Part 2

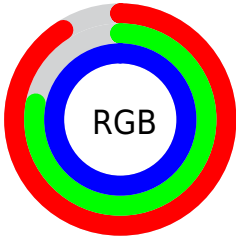
Format	Color
R _Y B	233, 199, 255
Decimal	15321087
CIE Lab	84.68, 21.97, -23.01
CIE LCh	85, 31.816, 313.678
Yxy	65.3905, 0.2992, 0.2714
Android (android.graphics.Color)	4293511167 (0xFFE9C7FF)
YUV	215.5500, 19.4489, 15.3037
Hunter-Lab	80.8644, 17.5916, -19.2305

Details

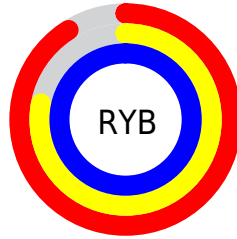
The XYZ color **72.0777, 65.3905, 103.4305** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.8891, 91.0164, 67.6041**, and the grayscale version is **64.8369, 68.2135, 74.2845**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4499, 33.6751, 57.8995** is the 20% darker color. If you saturate the color by 10%, you get **63.5172, 52.9867, 101.4875**, and if you desaturate by 10%, it is **81.8106, 79.8615, 105.7107**.

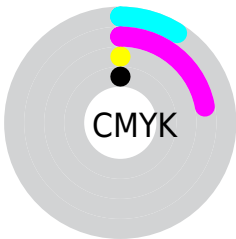
Distribution



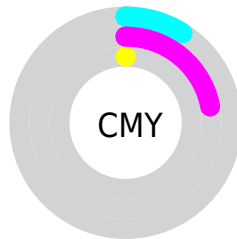
- Red (91%)
- Green (78%)
- Blue (100%)



- Red (91%)
- Yellow (78%)
- Blue (100%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0777, 65.3905, 103.4305 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 72.0777, 65.3905, 103.4305 by changing the saturation by 10% instead.

72.0777, 65.3905,
103.4305

72.0777, 65.3905,
103.4305

456.9654,
444.1939, 592.4764

53.5078, 47.7778,
78.5358

121.1772,
112.6111, 167.9564

38.4374, 33.6510,
57.9951

152.4375,
142.9878, 208.4246

26.5011, 22.6256,
41.3901

188.6588,
178.3879, 254.9211

17.3336, 14.3173,
28.3020

230.2062,
219.1958, 307.8644

10.5694, 8.3417,
18.3124

277.4453,
265.7960, 367.6731

5.8432, 4.3143,
11.0028

330.7412,

2.7897, 1.8509,

318.5728, 434.7656

5.9545

390.4595,
377.9107, 509.5605

■ 1.0436, 0.5186,
2.7491

■ 0.0000, 0.0000,
0.9680

■ 72.0777, 65.3905,
103.4305

■ 72.0777, 65.3905,
103.4305

■ 63.5172, 52.9867,
101.4875

■ 81.8106, 79.8615,
105.7107

■ 56.0715, 42.5425,
99.8640

■ 92.7590, 96.4841,
108.3421

■ 49.6863, 33.9527,
98.5425

95.0500, 100.0000,
108.9000

■ 44.2998, 27.0987,
97.5035

■ 39.8432, 21.8476,
96.7248

■ 36.2376, 18.0467,
96.1812

■ 33.3883, 15.5119,
95.8421

■ 31.5333, 14.1709,
95.6810

Harmonies

Analogous

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



65.4404, 65.3905, 116.4120



72.0777, 65.3905, 103.4305



76.2146, 65.3905, 82.7773

Triad

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



72.0777, 65.3905, 103.4305



66.0729, 65.3905, 39.8501



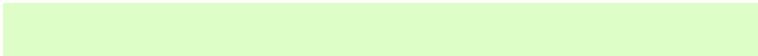
49.7938, 65.3905, 80.8632

Complementary

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



72.0777, 65.3905, 103.4305



75.8891, 91.0164, 67.6041

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.



49.9348, 65.3905, 60.7543



72.0777, 65.3905, 103.4305



58.9751, 65.3905, 39.5335

Square

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



72.0777, 65.3905, 103.4305



72.5711, 65.3905, 47.4413



53.1816, 65.3905, 46.4735



52.7806, 65.3905, 101.8009

Rectangle

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



72.0777, 65.3905, 103.4305



76.8150, 65.3905, 68.7172



53.1816, 65.3905, 46.4735



49.4843, 65.3905, 73.7401

Sweetspot

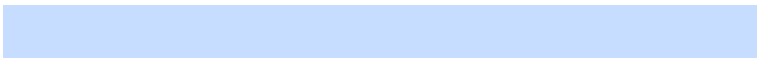
The Sweet Spot groups the original color and five complimentary colors.



72.0795, 65.3932, 103.4309



87.0846, 87.8294, 106.9707



67.5676, 71.2888, 104.8067



18.4988, 18.5854, 22.8623



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.



72.0795, 65.3932, 103.4309



68.4814, 60.1366, 102.6059



78.8260, 68.9738, 99.1091



18.0615, 17.9234, 22.7576



16.6494, 7.4936, 50.0035



1.7439, 0.7929, 4.8744

Inverse Universe

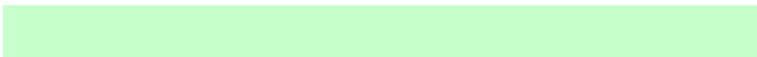
The Inverse Universe completely reimagines the original color for something new.



74.7162, 67.3298, 77.4668



71.6063, 62.4195, 72.3934



70.2863, 88.0515, 70.7989



18.3049, 18.1053, 20.2226



22.8234, 11.6186, 7.7204



2.2741, 1.1520, 1.0247

Previews

White Background



This preview shows how the XYZ color 72.0777, 65.3905, 103.4305 looks on a white background.

Color Contrast Check

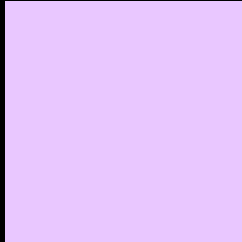
Large Text (above 18pt) WCAG AA × Fail

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 72.0777, 65.3905, 103.4305 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 72.0777, 65.3905, 103.4305

Background



This preview shows how black text looks on a background with the XYZ color 72.0777, 65.3905, 103.4305.

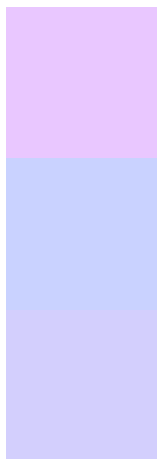


This preview shows how white text looks on a background with the XYZ color 72.0777, 65.3905,

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

72.0777, 65.3905, 103.4305

Protanopia

65.1840, 65.7307, 103.8595

Deuteranopia

66.9064, 65.5664, 102.0577



Tritanopia

66.8774, 65.3771, 77.5008

Trichromacy



Original Color

72.0777, 65.3905, 103.4305

Protanomaly

67.5619, 65.5087, 103.6913

Deuteranomaly

68.6957, 65.4016, 102.7690

Tritanomaly

68.6970, 65.4181, 86.0970

Monochromacy



Original Color

72.0777, 65.3905, 103.4305

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

67.4537, 67.3360, 84.3049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0777, 65.3905, 103.4305 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(233, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 199, 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(233, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.0777, 65.3905, 103.4305 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(233, 199, 255) }
```


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

```
.border{ border-color:rgb(233, 199, 255) }
```

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

Here you see how a box with a 4 pixel rgb(233, 199, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0777, 65.3905, 103.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 199, 255) }
```

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

```
.background{ background-color: rgb(233,  
199, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor