

# Converting Colors

XYZ(73.9004, 59.6832,  
111.5532)

Have a look what the booklet for  
XYZ(73.9004, 59.6832, 111.5532)  
contains.

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# Color

**XYZ(72.1761, 59.0530,  
102.2020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6B3FF
RGB	246, 179, 255
RGB Percent	96%, 70%, 100%
CMY	0.0353, 0.2980, 0.0000
CMYK	0.04, 0.30, 0.00, 0.00
HSL	293°, 100%, 85%
HSV	293°, 30%, 100%
XYZ	72.1761, 59.0530, 102.2020
YIQ	207.6970, 15.5360, 37.8400

# Conversions

## Conversions Part 2

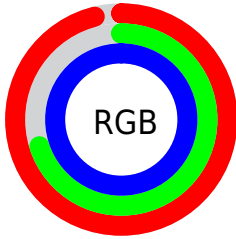
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 179, 255
Decimal	16167935
CIE <sub>Lab</sub>	81.32, 36.68, -28.03
CIE <sub>LCh</sub>	81, 46.162, 322.614
Yxy	59.0530, 0.3092, 0.2530
Android (android.graphics.Color)	4294358015 (0xFFFF6B3FF)
YUV	207.6970, 23.3204, 33.5917
Hunter-Lab	76.8459, 33.1723, -25.0611

# Details

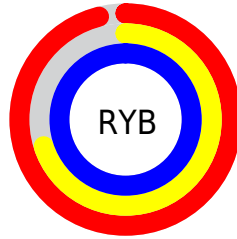
The XYZ color **72.1761, 59.0530, 102.2020** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.6371, 85.4667, 55.7407**, and the grayscale version is **59.6065, 62.7107, 68.2919**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **38.5129, 29.5633, 57.1025** is the 20% darker color. If you saturate the color by 10%, you get **66.4802, 49.2198, 100.6042**, and if you desaturate by 10%, it is **78.8376, 70.7900, 104.1164**.

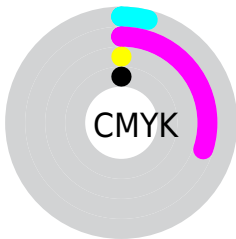
# Distribution



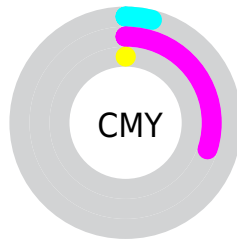
- Red (96%)
- Green (70%)
- Blue (100%)



- Red (96%)
- Yellow (70%)
- Blue (100%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1761, 59.0530, 102.2020 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 72.1761, 59.0530, 102.2020 by changing the saturation by 10% instead.



72.1761, 59.0530,  
102.2020

72.1761, 59.0530,  
102.2020

457.3024,  
421.0983, 588.5365

53.5885, 42.6558,  
77.5137

121.3163,  
103.4547, 166.2582

38.5021, 29.6151,  
57.1605

152.5997,  
132.2280, 206.4631

26.5516, 19.5466,  
40.7239

188.8456,  
165.8954, 252.6773

17.3716, 12.0659,  
27.7853

230.4196,  
204.8413, 305.3193

10.5967, 6.7886,  
17.9263

277.6869,  
249.4502, 364.8077

5.8617, 3.3302,  
10.7282

331.0129,

2.8010, 1.3065,

300.1064, 431.5610

5.7725

390.7630,  
357.1943, 505.9978

■ 1.0494, 0.1462,  
2.6407

■ 0.0000, 0.0000,  
0.9134

■ 72.1761, 59.0530,  
102.2020

■ 72.1761, 59.0530,  
102.2020

■ 66.4802, 49.2198,  
100.6042

■ 78.8376, 70.7900,  
104.1164

■ 61.6925, 41.1785,  
99.3044

■ 86.5078, 84.5196,  
106.3622

■ 57.7574, 34.8172,  
98.2840

95.0500, 100.0000,  
108.9000

■ 54.6111, 30.0081,  
97.5216

■ 52.1804, 26.6052,  
96.9928

■ 50.3781, 24.4343,  
96.6688

■ 49.0651, 23.2170,  
96.5031

■ 49.0410, 23.1965,  
96.5004

# Harmonies

## Analogous

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



63.5591, 59.0530, 126.7801



72.1761, 59.0530, 102.2020



76.5824, 59.0530, 71.3643

# Triad

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



72.1761, 59.0530, 102.2020



58.5439, 59.0530, 24.7237



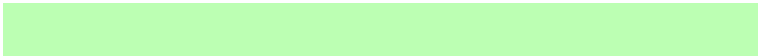
40.7018, 59.0530, 86.9396

# Complementary

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



72.1761, 59.0530, 102.2020



64.6371, 85.4667, 55.7407

# 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.



39.6846, 59.0530, 57.7155



72.1761, 59.0530, 102.2020



49.3001, 59.0530, 26.6988

# Square

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



72.1761, 59.0530, 102.2020



68.1474, 59.0530, 30.6784



42.6548, 59.0530, 37.1599



45.6123, 59.0530, 116.3534



# Rectangle

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



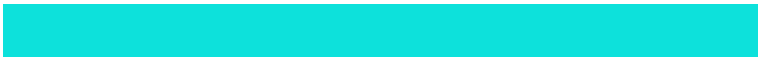
72.1761, 59.0530, 102.2020



76.2219, 59.0530, 53.3916



42.6548, 59.0530, 37.1599



39.9180, 59.0530, 76.5984

# Sweetspot

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



72.1778, 59.0555, 102.2024



87.1680, 85.7096, 106.5571



54.8689, 53.2589, 101.9958



18.4022, 17.8853, 22.7323



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.



72.1778, 59.0555, 102.2024



68.5362, 52.7419, 101.1757



71.2450, 59.0559, 80.4149



18.5685, 18.1848, 22.7813



25.7090, 12.1640, 50.4274



2.5605, 1.2139, 4.9126



# Inverse Universe

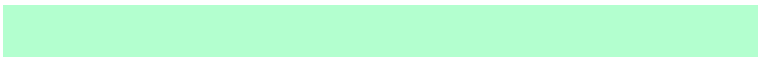
The Inverse Universe completely reimagines the original color for something new.



66.4387, 57.1333, 55.1051



62.0195, 50.5842, 46.5750



65.5982, 85.6030, 72.0139



18.0968, 18.0220, 19.1271



21.6999, 11.1693, 1.8043



2.1395, 1.0982, 0.3160



# Previews

## White Background



This preview shows how the XYZ color 72.1761, 59.0530, 102.2020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

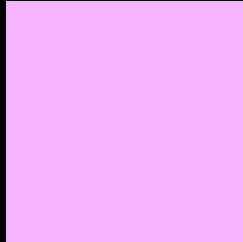
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1761, 59.0530, 102.2020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

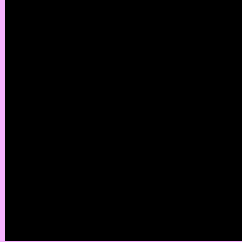
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.1761, 59.0530, 102.2020

## Background



This preview shows how black text looks on a background with the XYZ color 72.1761, 59.0530, 102.2020.



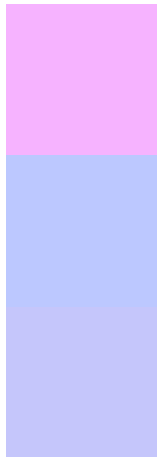
This preview shows how white text looks on a background with the XYZ color 72.1761, 59.0530,



# 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

72.1761, 59.0530, 102.2020

### Protanopia

59.4433, 59.2199, 102.9053

### Deuteranopia

60.6326, 59.2235, 99.5024



## Tritanopia

64.6933, 59.1055, 65.1255

# Trichromacy



## Original Color

72.1761, 59.0530, 102.2020

## Protanomaly

63.1941, 58.4746, 102.5638

## Deuteranomaly

64.2258, 58.7370, 100.0478

## Tritanomaly

67.2862, 58.9029, 77.6351

# Monochromacy



## Original Color

72.1761, 59.0530, 102.2020

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

63.6811, 60.8983, 79.6324

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1761, 59.0530, 102.2020 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(246, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 179, 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(246, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 179, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1761, 59.0530, 102.2020 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(246, 179, 255) }
```



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

```
.border{ border-color:rgb(246, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 179,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1761, 59.0530, 102.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 179, 255) }
```

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

```
.background{ background-color: rgb(246,  
179, 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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