

# Converting Colors

XYZ(67.6866, 55.7884,  
132.3661)

Have a look what the booklet for  
XYZ(67.6866, 55.7884, 132.3661)  
contains.

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# Color

**XYZ(61.7020, 53.3569,  
101.6546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6B2FF
RGB	214, 178, 255
RGB Percent	84%, 70%, 100%
CMY	0.1608, 0.3019, 0.0000
CMYK	0.16, 0.30, 0.00, 0.00
HSL	268°, 100%, 85%
HSV	268°, 30%, 100%
XYZ	61.7020, 53.3569, 101.6546
YIQ	197.5420, -3.2610, 31.5790

# Conversions

## Conversions Part 2

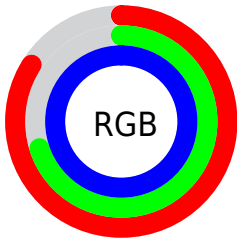
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">214, 178, 255</a>
Decimal	<a href="#">14070527</a>
CIELab	<a href="#">78.09, 27.40, -33.26</a>
CIELCh	<a href="#">78, 43.088, 309.481</a>
Yxy	<a href="#">53.3569, 0.2847, 0.2462</a>
Android (android.graphics.Color)	<a href="#">4292260607</a> ( <a href="#">0xFFD6B2FF</a> )
YUV	<a href="#">197.5420, 28.3268, 14.4337</a>
Hunter-Lab	<a href="#">73.0458, 22.9493, -31.3792</a>

# Details

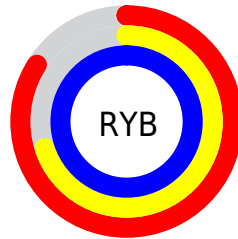
The XYZ color **61.7020, 53.3569, 101.6546** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **73.0102, 89.7948, 55.6058**, and the grayscale version is **53.2354, 56.0078, 60.9925**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **31.6272, 26.0135, 56.7803** is the 20% darker color. If you saturate the color by 10%, you get **53.2934, 42.1785, 99.9401**, and if you desaturate by 10%, it is **71.3872, 66.5959, 103.6995**.

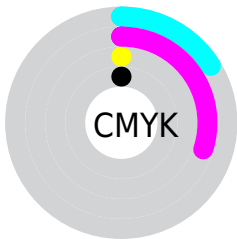
# Distribution



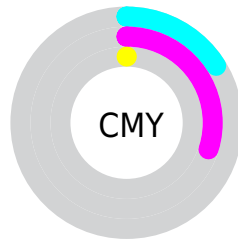
- Red (84%)
- Green (70%)
- Blue (100%)



- Red (84%)
- Yellow (70%)
- Blue (100%)



- Cyan (16%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (30%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7020, 53.3569, 101.6546 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 61.7020, 53.3569, 101.6546 by changing the saturation by 10% instead.



61.7020, 53.3569,  
101.6546

61.7020, 53.3569,  
101.6546

420.5782,  
399.6529, 586.7765

45.0466, 38.0878,  
77.0585

106.3871, 95.1293,  
165.5008

31.6956, 26.0508,  
56.7891

135.1475,  
122.4014, 205.5880

21.2835, 16.8617,  
40.4277

168.6737,  
154.4433, 251.6760

13.4450, 10.1359,  
27.5558

207.3310,  
191.6393, 304.1833

7.8148, 5.4892,  
17.7550

251.4847,  
234.3739, 363.5284

4.0275, 2.5370,  
10.6066

301.5002,

1.7177, 0.8951,

283.0314, 430.1300

5.6921

357.7429,  
337.9963, 504.4065

■ 0.4673, 0.0000,  
2.5931

■ 0.0000, 0.0000,  
0.8889

■ 61.7020, 53.3569,  
101.6546

■ 61.7020, 53.3569,  
101.6546

■ 53.2934, 42.1785,  
99.9401

■ 71.3872, 66.5959,  
103.6995

■ 46.0961, 32.9454,  
98.5373

■ 82.4002, 81.9896,  
106.0904

■ 40.0460, 25.5406,  
97.4269

94.7950, 99.6341,  
108.8428

■ 35.0704, 19.8313,  
96.5872

95.0500, 100.0000,  
108.9000

■ 31.0866, 15.6660,  
95.9931

■ 27.9975, 12.8643,  
95.6152

■ 25.6883, 11.1577,  
95.4075

# Harmonies

## Analogous

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



53.4237, 53.3569, 116.7667



61.7020, 53.3569, 101.6546



67.4098, 53.3569, 75.8814

# Triad

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



61.7020, 53.3569, 101.6546



56.5938, 53.3569, 24.6306



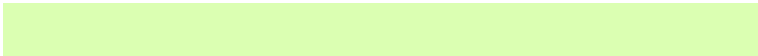
36.3827, 53.3569, 66.0608

# Complementary

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



61.7020, 53.3569, 101.6546



73.0102, 89.7948, 55.6058

# 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.



37.0314, 53.3569, 43.3334



61.7020, 53.3569, 101.6546



48.0978, 53.3569, 23.3527

# Square

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



61.7020, 53.3569, 101.6546



64.2418, 53.3569, 33.3528



41.1149, 53.3569, 29.1897



39.2328, 53.3569, 92.7828



# Rectangle

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



61.7020, 53.3569, 101.6546



68.6564, 53.3569, 58.5169



41.1149, 53.3569, 29.1897



36.2065, 53.3569, 57.6783

# Sweetspot

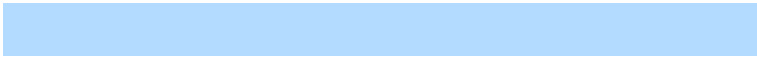
The Sweet Spot groups the original color and five complimentary colors.



61.7036, 53.3590, 101.6549



83.8070, 83.9770, 106.3998



61.7605, 67.3843, 104.3591



17.5719, 17.4573, 22.6934



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.



61.7036, 53.3590, 101.6549



56.6697, 46.6245, 100.6203



74.2733, 59.8389, 102.2432



17.8104, 17.7940, 22.7458



13.5915, 5.9171, 49.8604



1.4481, 0.6404, 4.8606



# Inverse Universe

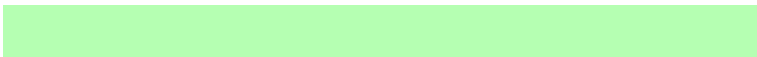
The Inverse Universe completely reimagines the original color for something new.



69.9476, 58.2170, 74.5692



66.2665, 52.2830, 68.9392



62.7519, 84.5065, 55.1257



18.4137, 18.1488, 20.7955



23.9388, 12.0648, 13.5940

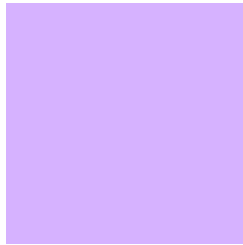


2.3861, 1.1968, 1.6144



# Previews

## White Background



This preview shows how the XYZ color 61.7020, 53.3569, 101.6546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

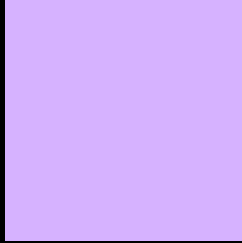
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.7020, 53.3569, 101.6546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

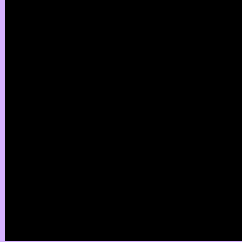
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.7020, 53.3569, 101.6546

## Background



This preview shows how black text looks on a background with the XYZ color 61.7020, 53.3569, 101.6546.



This preview shows how white text looks on a background with the XYZ color 61.7020, 53.3569,

101.6546.

# 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

61.7020, 53.3569, 101.6546

### Protanopia

54.3600, 53.5956, 102.0876

### Deuteranopia

54.9655, 53.6221, 100.3816



## Tritanopia

53.9395, 53.2574, 63.9367

# Trichromacy



## Original Color

61.7020, 53.3569, 101.6546

## Protanomaly

56.5952, 53.1566, 101.8851

## Deuteranomaly

57.1865, 53.4800, 101.0746

## Tritanomaly

56.3377, 52.9648, 76.3612

# Monochromacy



## Original Color

61.7020, 53.3569, 101.6546

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

56.3188, 55.2134, 74.7068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.7020, 53.3569, 101.6546 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(214, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 178, 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(214, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 178, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.7020, 53.3569, 101.6546 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(214, 178, 255) }
```



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

```
.border{ border-color:rgb(214, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 178,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.7020, 53.3569, 101.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 178, 255) }
```

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

```
.background{ background-color: rgb(214,  
178, 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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