

# Converting Colors

XYZ(103.4803, 70.8023,  
146.4978)

Have a look what the booklet for  
XYZ(103.4803, 70.8023, 146.4978)  
contains.

<b>XYZ(73.1087, 56.1174, 101.5862)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.1087, 56.1174,  
101.5862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA7FF
RGB	255, 167, 255
RGB Percent	100%, 65%, 100%
CMY	0.0000, 0.3451, 0.0000
CMYK	0.00, 0.35, 0.00, 0.00
HSL	300°, 100%, 83%
HSV	300°, 35%, 100%
XYZ	73.1087, 56.1174, 101.5862
YIQ	203.3440, 24.2000, 46.0240

# Conversions

## Conversions Part 2

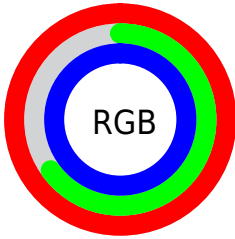
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 167, 255
Decimal	16754687
CIE <sub>Lab</sub>	79.68, 45.70, -30.46
CIE <sub>LCh</sub>	80, 54.926, 326.317
Y <sub>xy</sub>	56.1174, 0.3167, 0.2431
Android (android.graphics.Color)	4294944767 (0xFFFFA7FF)
Y <sub>UV</sub>	203.3440, 25.4664, 45.3023
Hunter-Lab	74.9115, 43.1089, -27.9640

# Details

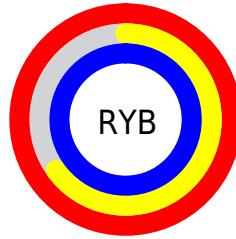
The XYZ color **73.1087, 56.1174, 101.5862** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.6731, 82.5263, 49.3987**, and the grayscale version is **56.8163, 59.7752, 65.0952**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **39.1241, 27.7578, 56.7218** is the 20% darker color. If you saturate the color by 10%, you get **68.8896, 47.6792, 100.1799**, and if you desaturate by 10%, it is **78.2509, 66.4017, 103.3003**.

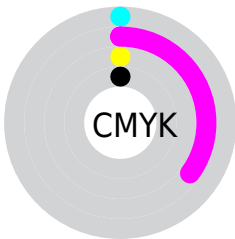
# Distribution



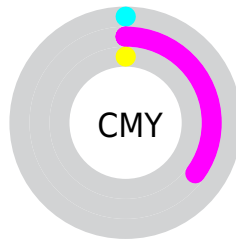
- Red (100%)
- Green (65%)
- Blue (100%)



- Red (100%)
- Yellow (65%)
- Blue (100%)



- Cyan (0%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1087, 56.1174, 101.5862 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 73.1087, 56.1174, 101.5862 by changing the saturation by 10% instead.




 73.1087, 56.1174,  
101.5862


 73.1087, 56.1174,  
101.5862


460.4894,  
410.1338, 586.5563

 54.3535, 40.2971,  
77.0017


 122.6338, 99.1762,  
165.4061

 39.1162, 27.7702,  
56.7427

 154.1345,  
127.1835, 205.4786

 27.0313, 18.1525,  
40.3907


190.6144,  
160.0218, 251.5508

 17.7334, 11.0596,  
27.5272

232.4388,  
198.0757, 304.0412

 10.8573, 6.1069,  
17.7336

279.9732,  
241.7294, 363.3684

 6.0375, 2.9102,  
10.5915

333.5828,

 2.9088, 1.0850,

291.3674, 429.9510

5.6821

393.6331,  
347.3740, 504.2075

■ 1.1057, 0.0000,  
2.5871

■ 0.0299, 0.0000,  
0.8858

■ 73.1087, 56.1174,  
101.5862

■ 73.1087, 56.1174,  
101.5862

■ 68.8896, 47.6792,  
100.1799

■ 78.2509, 66.4017,  
103.3003

■ 65.5360, 40.9721,  
99.0620

■ 84.3629, 78.6257,  
105.3376

■ 62.9890, 35.8779,  
98.2130

■ 91.4921, 92.8842,  
107.7140

■ 61.1806, 32.2612,  
97.6102

95.0500, 100.0000,  
108.9000

■ 60.0322, 29.9645,  
97.2274

■ 59.4471, 28.7942,  
97.0324

■ 59.2900, 28.4800,  
96.9800

# Harmonies

## Analogous

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



63.3544, 56.1174, 133.7604



73.1087, 56.1174, 101.5862



77.5563, 56.1174, 65.1077

# Triad

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



73.1087, 56.1174, 101.5862



54.7187, 56.1174, 18.1916



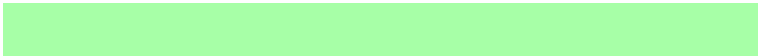
36.4255, 56.1174, 92.3503

# Complementary

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



73.1087, 56.1174, 101.5862



58.6731, 82.5263, 49.3987

# 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.



34.7724, 56.1174, 57.2647



73.1087, 56.1174, 101.5862



44.4370, 56.1174, 21.0981

# Square

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



73.1087, 56.1174, 101.5862



66.0514, 56.1174, 23.0874



37.4975, 56.1174, 33.1192



42.3704, 56.1174, 127.2582



# Rectangle

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



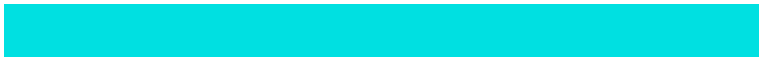
73.1087, 56.1174, 101.5862



76.5159, 56.1174, 45.5095



37.4975, 56.1174, 33.1192



35.3883, 56.1174, 79.9030

# Sweetspot

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



73.1097, 56.1195, 101.5866



87.4479, 84.7957, 106.3660



47.8073, 43.0756, 100.4024



18.5068, 17.7284, 22.6965



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.



73.1097, 56.1195, 101.5866



70.2683, 50.4366, 100.6394



66.8180, 53.6028, 68.4545



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

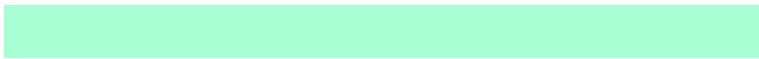
The Inverse Universe completely reimagines the original color for something new.



73.1097, 56.1195, 101.5866



70.2683, 50.4366, 100.6394



63.4558, 84.4394, 74.5838



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 73.1087, 56.1174, 101.5862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

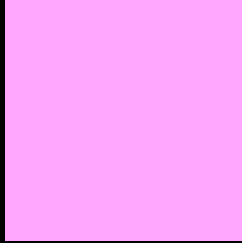
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1087, 56.1174, 101.5862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

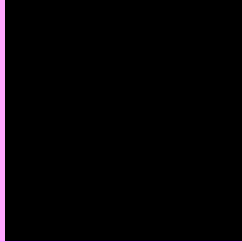
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.1087, 56.1174, 101.5862

## Background



This preview shows how black text looks on a background with the XYZ color 73.1087, 56.1174, 101.5862.



This preview shows how white text looks on a background with the XYZ color 73.1087, 56.1174,

101.5862.

# 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

73.1087, 56.1174, 101.5862

### Protanopia

56.8460, 56.5236, 102.5218

### Deuteranopia

57.7823, 56.4329, 98.2897



## Tritanopia

64.3047, 56.2669, 57.9235

# Trichromacy



## Original Color

73.1087, 56.1174, 101.5862



## Protanomaly

61.4114, 55.3278, 102.0503



## Deuteranomaly

62.4427, 55.6054, 99.5373



## Tritanomaly

67.1490, 55.9418, 72.2245

# Monochromacy



## Original Color

73.1087, 56.1174, 101.5862



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

61.7225, 57.6304, 76.9779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1087, 56.1174, 101.5862 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(255, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 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(255, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1087, 56.1174, 101.5862 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(255, 167, 255) }
```



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

```
.border{ border-color:rgb(255, 167, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1087, 56.1174, 101.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 255) }
```

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

```
.background{ background-color: rgb(255,  
167, 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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