

Converting Colors

XYZ(67.7170, 56.8371,
102.0093)

Have a look what the booklet for
XYZ(67.7170, 56.8371, 102.0093)
contains.

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Color

**XYZ(67.7744, 56.7838,
101.9960)**

Conversions

Conversions Part 1

Format	Color
Hex	E9B3FF
RGB	233, 179, 255
RGB Percent	91%, 70%, 100%
CMY	0.0863, 0.2980, 0.0000
CMYK	0.09, 0.30, 0.00, 0.00
HSL	283°, 100%, 85%
HSV	283°, 30%, 100%
XYZ	67.7744, 56.7838, 101.9960
YIQ	203.8100, 7.7880, 35.0840

Conversions

Conversions Part 2

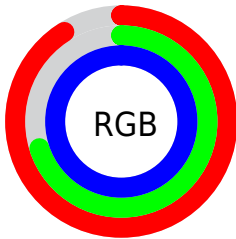
Format	Color
R _Y B	233, 179, 255
Decimal	15315967
CIE Lab	80.06, 32.65, -30.07
CIE LCh	80, 44.393, 317.355
Yxy	56.7838, 0.2992, 0.2506
Android (android.graphics.Color)	4293506047 (0xFFE9B3FF)
YUV	203.8100, 25.2367, 25.5996
Hunter-Lab	75.3550, 28.6718, -27.5028

Details

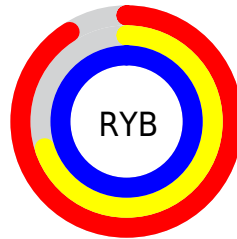
The XYZ color **67.7744, 56.7838, 101.9960** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.9852, 87.1927, 55.8971**, and the grayscale version is **57.1184, 60.0930, 65.4413**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **35.5584, 28.2290, 57.0007** is the 20% darker color. If you saturate the color by 10%, you get **60.7693, 46.2756, 100.3369**, and if you desaturate by 10%, it is **75.8286, 69.2386, 103.9755**.

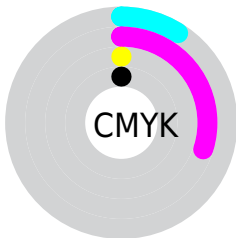
Distribution



- Red (91%)
- Green (70%)
- Blue (100%)



- Red (91%)
- Yellow (70%)
- Blue (100%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7744, 56.7838, 101.9960 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 67.7744, 56.7838, 101.9960 by changing the saturation by 10% instead.

67.7744, 56.7838,
101.9960

67.7744, 56.7838,
101.9960

442.0856,
412.6387, 587.8745

49.9872, 40.8317,
77.3424

115.0730,
100.1497, 165.9732

35.6210, 28.1876,
57.0207

145.3152,
128.3322, 206.1338

24.3104, 18.4671,
40.6124

180.4397,
161.3603, 252.3006

15.6900, 11.2859,
27.6989

220.8120,
199.6184, 304.8919

9.3945, 6.2595,
17.8618

266.7974,
243.4909, 364.3265

5.0586, 3.0035,
10.6824

318.7612,

2.3168, 1.1336,

293.3622, 431.0227

5.7422

377.0688,
349.6167, 505.3992

■ 0.8032, 0.0064,
2.6227

■ 0.0000, 0.0000,
0.9042

■ 67.7744, 56.7838,
101.9960

■ 67.7744, 56.7838,
101.9960

■ 60.7693, 46.2756,
100.3369

■ 75.8286, 69.2386,
103.9755

■ 54.7550, 37.6020,
98.9798

■ 84.9762, 83.7298,
106.2905

■ 49.6746, 30.6503,
97.9057

95.0500, 100.0000,
108.9000

■ 45.4630, 25.2920,
97.0934

■ 42.0459, 21.3806,
96.5186

■ 39.3350, 18.7414,
96.1520

■ 37.1898, 17.0951,
95.9473

■ 37.1500, 17.0664,
95.9439

Harmonies

Analogous

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



59.3171, 56.7838, 122.4589



67.7744, 56.7838, 101.9960



72.7443, 56.7838, 73.3627

Triad

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



67.7744, 56.7838, 101.9960



57.8615, 56.7838, 24.8976



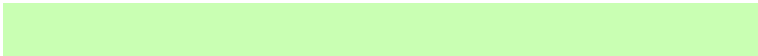
39.0394, 56.7838, 77.8759

Complementary

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



67.7744, 56.7838, 101.9960



67.9852, 87.1927, 55.8971

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.



38.7425, 56.7838, 51.5704



67.7744, 56.7838, 101.9960



48.9567, 56.7838, 25.4788

Square

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



67.7744, 56.7838, 101.9960



66.6069, 56.7838, 31.9935



42.1824, 56.7838, 33.8922



43.0442, 56.7838, 106.0834

Rectangle

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



67.7744, 56.7838, 101.9960



73.0843, 56.7838, 55.6790



42.1824, 56.7838, 33.8922



38.5199, 56.7838, 68.4137

Sweetspot

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



67.7761, 56.7861, 101.9964



85.7587, 84.9831, 106.4912



57.7159, 58.9531, 102.9449



18.0532, 17.7054, 22.7159



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.



67.7761, 56.7861, 101.9964



63.3134, 50.0494, 100.9313



73.0597, 59.7816, 89.9715



18.2504, 18.0208, 22.7664



19.5671, 8.9977, 50.1400



2.0136, 0.9320, 4.8870

Inverse Universe

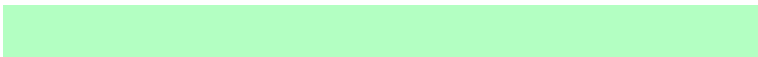
The Inverse Universe completely reimagines the original color for something new.



67.9040, 57.7193, 62.8219



63.6422, 51.2332, 55.1197



64.1120, 85.0085, 64.1883



18.2256, 18.0735, 19.8051



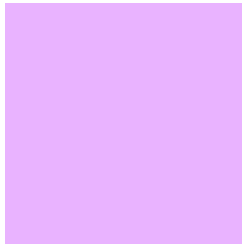
22.2470, 11.3881, 4.6854



2.2111, 1.1268, 0.6929

Previews

White Background



This preview shows how the XYZ color 67.7744, 56.7838, 101.9960 looks on a white background.

Color Contrast Check

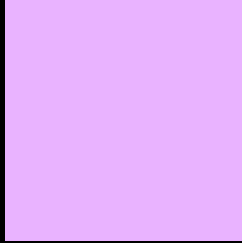
Large Text (above 18pt) WCAG AA × Fail

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 67.7744, 56.7838, 101.9960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

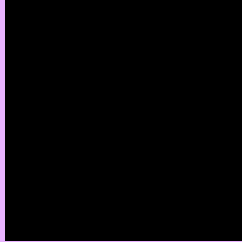
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7744, 56.7838, 101.9960

Background



This preview shows how black text looks on a background with the XYZ color 67.7744, 56.7838, 101.9960.

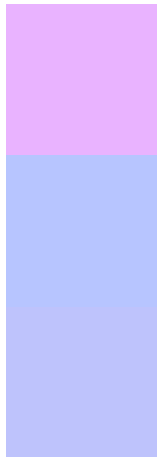


This preview shows how white text looks on a background with the XYZ color 67.7744, 56.7838,

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

67.7744, 56.7838, 101.9960

Protanopia

57.5447, 57.2198, 102.6193

Deuteranopia

58.3210, 57.0056, 100.0248



Tritanopia

60.1480, 56.7624, 64.9128

Trichromacy



Original Color

67.7744, 56.7838, 101.9960



Protanomaly

60.5508, 56.4644, 102.3151



Deuteranomaly

61.3808, 56.6089, 100.6200

Tritanomaly

62.6632, 56.5196, 77.4187

Monochromacy



Original Color

67.7744, 56.7838, 101.9960



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

60.8587, 58.8050, 77.9549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7744, 56.7838, 101.9960 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, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 179, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7744, 56.7838, 101.9960 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, 179, 255) }
```


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

```
.border{ border-color:rgb(233, 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(233, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 179,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7744, 56.7838, 101.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 179, 255) }
```

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

```
.background{ background-color: rgb(233,  
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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