

Converting Colors

XYZ(96.4678, 66.0672,
253.3215)

Have a look what the booklet for
XYZ(96.4678, 66.0672, 253.3215)
contains.

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Color

**XYZ(67.5380, 54.3503,
101.5388)**

Conversions

Conversions Part 1

Format	Color
Hex	EDABFF
RGB	237, 171, 255
RGB Percent	93%, 67%, 100%
CMY	0.0706, 0.3294, 0.0000
CMYK	0.07, 0.33, 0.00, 0.00
HSL	287°, 100%, 84%
HSV	287°, 33%, 100%
XYZ	67.5380, 54.3503, 101.5388
YIQ	200.3100, 12.3720, 40.1160

Conversions

Conversions Part 2

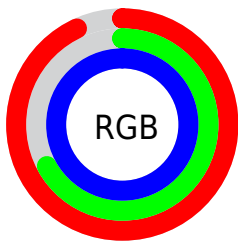
Format	Color
R _Y B	237, 171, 255
Decimal	15576063
CIE Lab	78.67, 38.14, -32.18
CIE LCh	79, 49.900, 319.839
Yxy	54.3503, 0.3023, 0.2433
Android (android.graphics.Color)	4293766143 (0xFFEDABFF)
YUV	200.3100, 26.9622, 32.1771
Hunter-Lab	73.7227, 34.5108, -30.0547

Details

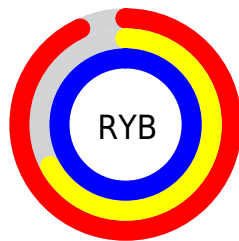
The XYZ color **67.5380, 54.3503, 101.5388** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.0981, 85.2796, 51.6128**, and the grayscale version is **54.9258, 57.7862, 62.9292**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **35.4939, 26.7374, 56.7162** is the 20% darker color. If you saturate the color by 10%, you get **61.3817, 44.7041, 100.0013**, and if you desaturate by 10%, it is **74.6822, 65.8878, 103.3892**.

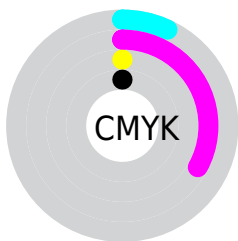
Distribution



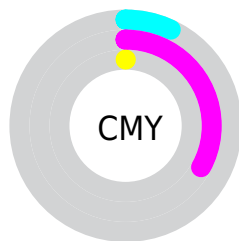
- Red (93%)
- Green (67%)
- Blue (100%)



- Red (93%)
- Yellow (67%)
- Blue (100%)



- Cyan (7%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5380, 54.3503, 101.5388 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 67.5380, 54.3503, 101.5388 by changing the saturation by 10% instead.

 67.5380, 54.3503,
101.5388

 67.5380, 54.3503,
101.5388


441.2598,
403.4444, 586.4038

 49.7943, 38.8818,
76.9622


 114.7365, 96.5884,
165.3405

 35.4671, 26.6678,
56.7105


144.9220,
124.1268, 205.4028

 24.1911, 17.3239,
40.3651


179.9855,
156.4572, 251.4640

 15.6009, 10.4657,
27.5073

220.2923,
193.9641, 303.9428

 9.3313, 5.7088,
17.7188

266.2078,
237.0319, 363.2576

 5.0167, 2.6688,
10.5810

318.0973,

 2.2919, 0.9614,

286.0450, 429.8270

5.6752

376.3262,
341.3877, 504.0695

■ 0.7905, 0.0000,
2.5830

■ 0.0000, 0.0000,
0.8837

■ 67.5380, 54.3503,
101.5388

■ 67.5380, 54.3503,
101.5388

■ 61.3817, 44.7041,
100.0013

■ 74.6822, 65.8878,
103.3892

■ 56.1544, 36.8349,
98.7579

■ 82.8592, 79.4088,
105.5680

■ 51.7981, 30.6266,
97.7892

■ 92.1170, 95.0074,
108.0909

■ 48.2458, 25.9461,
97.0730

95.0500, 100.0000,
108.9000

■ 45.4204, 22.6398,
96.5837

■ 43.2282, 20.5211,
96.2903

■ 41.9659, 19.5491,
96.1692

Harmonies

Analogous

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



58.3610, 54.3503, 126.3238



67.5380, 54.3503, 101.5388



72.6487, 54.3503, 69.2787

Triad

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



67.5380, 54.3503, 101.5388



55.0742, 54.3503, 20.2172



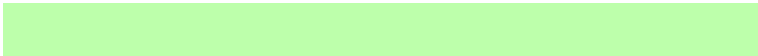
35.8033, 54.3503, 79.5765

Complementary

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



67.5380, 54.3503, 101.5388



64.0981, 85.2796, 51.6128

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.



35.1590, 54.3503, 50.1105



67.5380, 54.3503, 101.5388



45.4896, 54.3503, 21.3978

Square

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



67.5380, 54.3503, 101.5388



64.8704, 54.3503, 26.6346



38.4860, 54.3503, 30.6217



40.3743, 54.3503, 111.1056

Rectangle

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



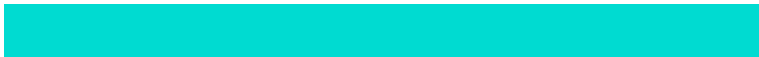
67.5380, 54.3503, 101.5388



72.6718, 54.3503, 50.3791



38.4860, 54.3503, 30.6217



35.1447, 54.3503, 68.9466

Sweetspot

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



67.5396, 54.3526, 101.5391



85.4662, 83.7741, 106.2732



53.0871, 52.3614, 101.9165



18.0240, 17.4795, 22.6739



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.



67.5396, 54.3526, 101.5391



63.0926, 47.3504, 100.4219



70.2561, 56.1686, 82.8892



18.3893, 18.0924, 22.7729



22.0590, 10.2823, 50.2566



2.2382, 1.0477, 4.8975

Inverse Universe

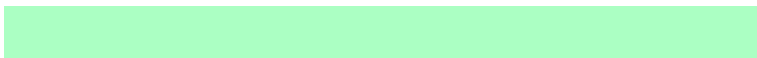
The Inverse Universe completely reimagines the original color for something new.



64.9894, 54.0619, 55.1553



60.3549, 47.1319, 46.3995



62.3838, 84.1097, 64.4602



18.1686, 18.0508, 19.5051



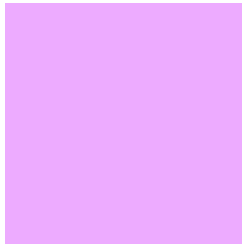
21.9487, 11.2688, 3.1142



2.1751, 1.1124, 0.5035

Previews

White Background



This preview shows how the XYZ color 67.5380, 54.3503, 101.5388 looks on a white background.

Color Contrast Check

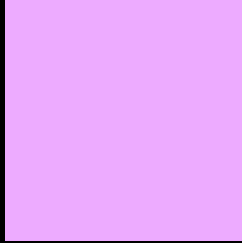
Large Text (above 18pt) WCAG AA × Fail

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 67.5380, 54.3503, 101.5388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

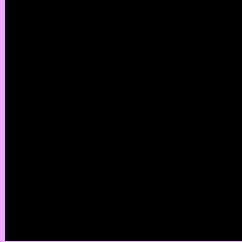
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5380, 54.3503, 101.5388

Background



This preview shows how black text looks on a background with the XYZ color 67.5380, 54.3503, 101.5388.



This preview shows how white text looks on a background with the XYZ color 67.5380, 54.3503,

101.5388.

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

67.5380, 54.3503, 101.5388

Protanopia

55.2514, 54.7070, 102.2552

Deuteranopia

55.8106, 54.4170, 98.8288



Tritanopia

59.3246, 54.5562, 60.2270

Trichromacy



Original Color

67.5380, 54.3503, 101.5388



Protanomaly

58.9521, 54.0600, 101.9353



Deuteranomaly

59.3398, 54.0058, 99.3921

Tritanomaly

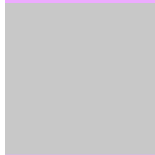
62.0537, 54.4580, 73.5705

Monochromacy



Original Color

67.5380, 54.3503, 101.5388



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

58.5564, 55.7086, 75.3767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5380, 54.3503, 101.5388 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(237, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 171, 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(237, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5380, 54.3503, 101.5388 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(237, 171, 255) }
```


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

```
.border{ border-color:rgb(237, 171, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 171, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5380, 54.3503, 101.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 171, 255) }
```

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

```
.background{ background-color: rgb(237,  
171, 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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