

Converting Colors

XYZ(67.7587, 54.2658,
101.5108)

Have a look what the booklet for
XYZ(67.7587, 54.2658, 101.5108)
contains.

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Color

**XYZ(67.6846, 54.1466,
101.4917)**

Conversions

Conversions Part 1

Format	Color
Hex	EEAFF
RGB	238, 170, 255
RGB Percent	93%, 67%, 100%
CMY	0.0667, 0.3333, 0.0000
CMYK	0.07, 0.33, 0.00, 0.00
HSL	288°, 100%, 83%
HSV	288°, 33%, 100%
XYZ	67.6846, 54.1466, 101.4917
YIQ	200.0220, 13.2430, 40.8510

Conversions

Conversions Part 2

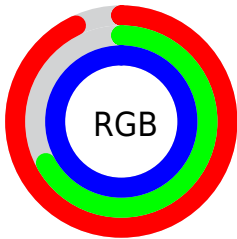
Format	Color
R _Y B	238, 170, 255
Decimal	15641343
CIE Lab	78.55, 38.97, -32.36
CIE LCh	79, 50.650, 320.297
Yxy	54.1466, 0.3031, 0.2425
Android (android.graphics.Color)	4293831423 (0xFFEEAAFF)
YUV	200.0220, 27.1042, 33.3067
Hunter-Lab	73.5844, 35.4158, -30.2670

Details

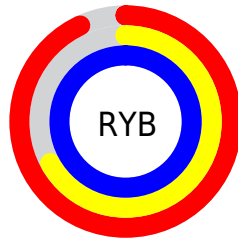
The XYZ color **67.6846, 54.1466, 101.4917** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.5105, 84.9877, 51.0897**, and the grayscale version is **54.7475, 57.5986, 62.7249**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **35.6104, 26.6236, 56.6881** is the 20% darker color. If you saturate the color by 10%, you get **61.6723, 44.6271, 99.9711**, and if you desaturate by 10%, it is **74.6757, 65.5498, 103.3243**.

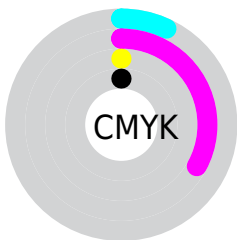
Distribution



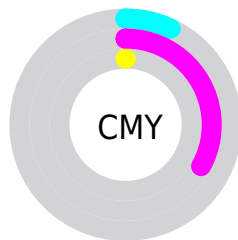
- Red (93%)
- Green (67%)
- Blue (100%)



- 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 67.6846, 54.1466, 101.4917 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 67.6846, 54.1466, 101.4917 by changing the saturation by 10% instead.

67.6846, 54.1466,
101.4917

67.6846, 54.1466,
101.4917

441.7720,
402.6688, 586.2522

49.9139, 38.7189,
76.9231

114.9452, 96.2895,
165.2753

35.5625, 26.5411,
56.6786

145.1659,
123.7734, 205.3274

24.2651, 17.2289,
40.3396

180.2672,
156.0448, 251.3778

15.6562, 10.3978,
27.4876

220.6146,
193.4882, 303.8449

9.3705, 5.6635,
17.7041

266.5735,
236.4879, 363.1474

5.0426, 2.6416,
10.5705

318.5091,

2.3073, 0.9476,

285.4283, 429.7037

5.6683

376.7868,
340.6938, 503.9325

■ 0.7984, 0.0000,
2.5790

■ 0.0000, 0.0000,
0.8816

■ 67.6846, 54.1466,
101.4917

■ 67.6846, 54.1466,
101.4917

■ 61.6723, 44.6271,
99.9711

■ 74.6757, 65.5498,
103.3243

■ 56.5797, 36.8766,
98.7436

■ 82.6907, 78.9289,
105.4843

■ 52.3487, 30.7785,
97.7895

■ 91.7774, 94.3785,
107.9874

■ 48.9123, 26.1991,
97.0867

95.0500, 100.0000,
108.9000

■ 46.1927, 22.9839,
96.6095

■ 44.0955, 20.9446,
96.3264

■ 42.9525, 20.0577,
96.2154

Harmonies

Analogous

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



58.4121, 54.1466, 126.9794



67.6846, 54.1466, 101.4917



72.7908, 54.1466, 68.7124

Triad

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



67.6846, 54.1466, 101.4917



54.7671, 54.1466, 19.6837



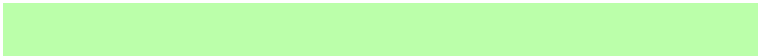
35.4837, 54.1466, 80.1480

Complementary

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



67.6846, 54.1466, 101.4917



63.5105, 84.9877, 51.0897

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.



34.7729, 54.1466, 50.1706



67.6846, 54.1466, 101.4917



45.0913, 54.1466, 20.9748

Square

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



67.6846, 54.1466, 101.4917



64.7217, 54.1466, 25.9775



38.0682, 54.1466, 30.3574



40.1541, 54.1466, 112.1498

Rectangle

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



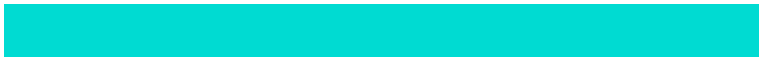
67.6846, 54.1466, 101.4917



72.7473, 54.1466, 49.6688



38.0682, 54.1466, 30.3574



34.7995, 54.1466, 69.3353

Sweetspot

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



67.6862, 54.1489, 101.4921



85.5965, 83.8413, 106.2793



52.3999, 51.3090, 101.7496



18.0556, 17.4959, 22.6754



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.



67.6862, 54.1489, 101.4921



63.5706, 47.5968, 100.4443



69.8287, 55.6966, 81.5666



18.4159, 18.1061, 22.7742



22.5687, 10.5451, 50.2805



2.2836, 1.0711, 4.8997

Inverse Universe

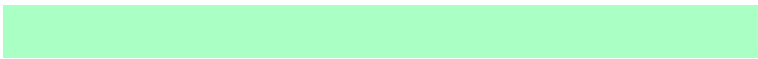
The Inverse Universe completely reimagines the original color for something new.



64.5857, 53.5994, 53.9572



60.2127, 47.0751, 45.6507



62.2461, 84.0296, 64.8674



18.1579, 18.0465, 19.4485



21.9027, 11.2504, 2.8719



2.1692, 1.1100, 0.4723

Previews

White Background



This preview shows how the XYZ color 67.6846, 54.1466, 101.4917 looks on a white background.

Color Contrast Check

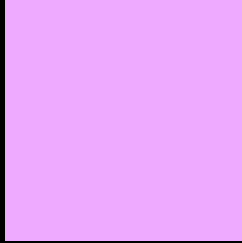
Large Text (above 18pt) WCAG AA × Fail

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 67.6846, 54.1466, 101.4917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

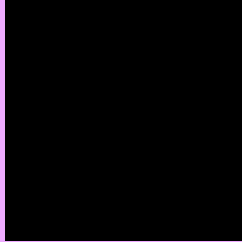
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6846, 54.1466, 101.4917

Background



This preview shows how black text looks on a background with the XYZ color 67.6846, 54.1466, 101.4917.

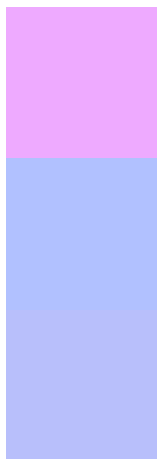


This preview shows how white text looks on a background with the XYZ color 67.6846, 54.1466,

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

67.6846, 54.1466, 101.4917

Protanopia

55.2514, 54.7070, 102.2552

Deuteranopia

55.8106, 54.4170, 98.8288



Tritanopia

59.0049, 54.0994, 59.5569

Trichromacy



Original Color

67.6846, 54.1466, 101.4917



Protanomaly

58.9521, 54.0600, 101.9353



Deuteranomaly

59.4060, 53.7326, 99.3359



Tritanomaly

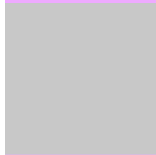
61.7235, 54.0063, 72.8167

Monochromacy



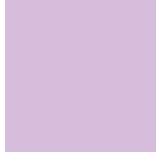
Original Color

67.6846, 54.1466, 101.4917



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

58.8474, 55.8586, 75.3903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6846, 54.1466, 101.4917 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(238, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 170, 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(238, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6846, 54.1466, 101.4917 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(238, 170, 255) }
```


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

```
.border{ border-color:rgb(238, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 170,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6846, 54.1466, 101.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 170, 255) }
```

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

```
.background{ background-color: rgb(238,  
170, 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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