

Converting Colors

XYZ(89.5600, 62.8230,
216.0234)

Have a look what the booklet for
XYZ(89.5600, 62.8230, 216.0234)
contains.

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Color

**XYZ(68.0213, 54.3202,
101.5075)**

Conversions

Conversions Part 1

Format	Color
Hex	EFAAFF
RGB	239, 170, 255
RGB Percent	94%, 67%, 100%
CMY	0.0627, 0.3333, 0.0000
CMYK	0.06, 0.33, 0.00, 0.00
HSL	289°, 100%, 83%
HSV	289°, 33%, 100%
XYZ	68.0213, 54.3202, 101.5075
YIQ	200.3210, 13.8390, 41.0630

Conversions

Conversions Part 2

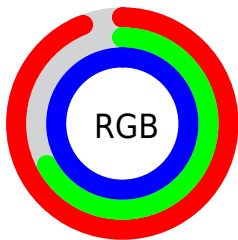
Format	Color
R _Y B	239, 170, 255
Decimal	15706879
CIE Lab	78.65, 39.27, -32.19
CIE LCh	79, 50.780, 320.658
Yxy	54.3202, 0.3039, 0.2427
Android (android.graphics.Color)	4293896959 (0xFFEFAAFF)
YUV	200.3210, 26.9567, 33.9215
Hunter-Lab	73.7022, 35.7624, -30.0665

Details

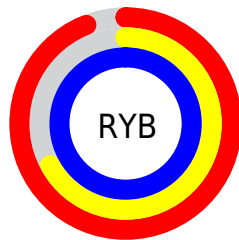
The XYZ color **68.0213, 54.3202, 101.5075** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.2668, 84.8620, 51.0783**, and the grayscale version is **54.9321, 57.7928, 62.9364**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **35.8457, 26.7449, 56.6991** is the 20% darker color. If you saturate the color by 10%, you get **62.0980, 44.8466, 99.9911**, and if you desaturate by 10%, it is **74.9179, 65.6747, 103.3356**.

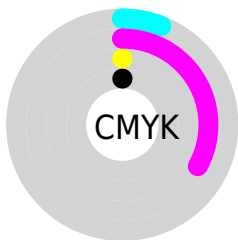
Distribution



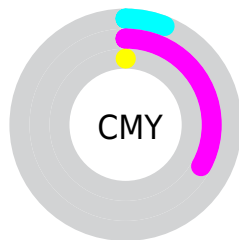
- Red (94%)
- Green (67%)
- Blue (100%)



- Red (94%)
- Yellow (67%)
- Blue (100%)



- Cyan (6%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0213, 54.3202, 101.5075 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 68.0213, 54.3202, 101.5075 by changing the saturation by 10% instead.


 68.0213, 54.3202,
101.5075

 68.0213, 54.3202,
101.5075


442.9470,
403.3299, 586.3030

 50.1888, 38.8577,
76.9362


 115.4244, 96.5442,
165.2972

 35.7819, 26.6491,
56.6893

145.7256,
124.0746, 205.3527

 24.4351, 17.3098,
40.3481


180.9139,
156.3963, 251.4067

 15.7832, 10.4556,
27.4942

221.3544,
193.8938, 303.8777

 9.4607, 5.7021,
17.7090

267.4127,
236.9516, 363.1844

 5.1024, 2.6648,
10.5740

319.4539,

 2.3428, 0.9593,

285.9539, 429.7451

5.6706

377.8436,
341.2852, 503.9785

■ 0.8165, 0.0000,
2.5803

■ 0.0000, 0.0000,
0.8823

■ 68.0213, 54.3202,
101.5075

■ 68.0213, 54.3202,
101.5075

■ 62.0980, 44.8466,
99.9911

■ 74.9179, 65.6747,
103.3356

■ 57.0891, 37.1392,
98.7674

■ 82.8328, 79.0022,
105.4909

■ 52.9364, 31.0814,
97.8170

■ 91.8139, 94.3974,
107.9891

■ 49.5730, 26.5398,
97.1176

95.0500, 100.0000,
108.9000

■ 46.9212, 23.3595,
96.6436

■ 44.8868, 21.3525,
96.3634

■ 43.7828, 20.4857,
96.2543

Harmonies

Analogous

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



58.7344, 54.3202, 127.3129



68.0213, 54.3202, 101.5075



73.0855, 54.3202, 68.5684

Triad

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



68.0213, 54.3202, 101.5075



54.8228, 54.3202, 19.6799



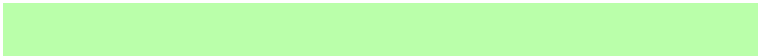
35.6095, 54.3202, 80.8415

Complementary

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



68.0213, 54.3202, 101.5075



63.2668, 84.8620, 51.0783

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.



34.8469, 54.3202, 50.6280



68.0213, 54.3202, 101.5075



45.1224, 54.3202, 21.0643

Square

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



68.0213, 54.3202, 101.5075



64.8415, 54.3202, 25.8959



38.1088, 54.3202, 30.5935



40.3468, 54.3202, 112.9481

Rectangle

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



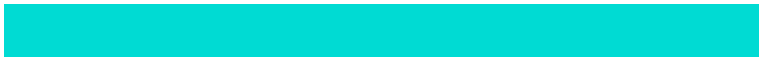
68.0213, 54.3202, 101.5075



72.9886, 54.3202, 49.5100



38.1088, 54.3202, 30.5935



34.9062, 54.3202, 69.9564

Sweetspot

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



68.0229, 54.3225, 101.5078



85.7040, 83.8967, 106.2843



52.3999, 51.3091, 101.7496



18.0818, 17.5093, 22.6766



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.



68.0229, 54.3225, 101.5078



63.9672, 47.8013, 100.4629



69.8287, 55.6966, 81.5666



18.4378, 18.1174, 22.7752



22.9975, 10.7661, 50.3005



2.3217, 1.0908, 4.9014

Inverse Universe

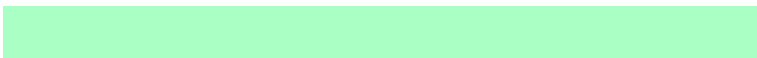
The Inverse Universe completely reimagines the original color for something new.



64.4790, 53.5568, 53.3954



60.0968, 47.0287, 45.0400



62.2461, 84.0296, 64.8675



18.1490, 18.0429, 19.4019



21.8672, 11.2362, 2.6852



2.1645, 1.1082, 0.4476

Previews

White Background



This preview shows how the XYZ color 68.0213, 54.3202, 101.5075 looks on a white background.

Color Contrast Check

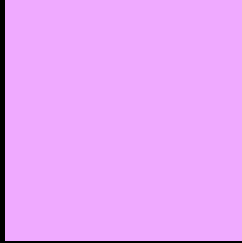
Large Text (above 18pt) WCAG AA × Fail

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 68.0213, 54.3202, 101.5075 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 68.0213, 54.3202, 101.5075

Background



This preview shows how black text looks on a background with the XYZ color 68.0213, 54.3202, 101.5075.



This preview shows how white text looks on a background with the XYZ color 68.0213, 54.3202,

101.5075.

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

68.0213, 54.3202, 101.5075

Protanopia

55.2514, 54.7070, 102.2552

Deuteranopia

55.8106, 54.4170, 98.8288



Tritanopia

59.6468, 54.4303, 59.5869

Trichromacy



Original Color

68.0213, 54.3202, 101.5075



Protanomaly

59.2184, 54.1973, 101.9477



Deuteranomaly

59.4060, 53.7326, 99.3359

Tritanomaly

62.3765, 54.3430, 72.8473

Monochromacy



Original Color

68.0213, 54.3202, 101.5075



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 68.0213, 54.3202, 101.5075 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(239, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0213, 54.3202, 101.5075 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(239, 170, 255) }
```


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

```
.border{ border-color:rgb(239, 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(239, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 170,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0213, 54.3202, 101.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 170, 255) }
```

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

```
.background{ background-color: rgb(239,  
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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