

Converting Colors

XYZ(73.6696, 56.6813,
135.6909)

Have a look what the booklet for
XYZ(73.6696, 56.6813, 135.6909)
contains.

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Color

**XYZ(67.2050, 54.1787,
101.5232)**

Conversions

Conversions Part 1

Format	Color
Hex	ECABFF
RGB	236, 171, 255
RGB Percent	93%, 67%, 100%
CMY	0.0745, 0.3294, 0.0000
CMYK	0.07, 0.33, 0.00, 0.00
HSL	286°, 100%, 84%
HSV	286°, 33%, 100%
XYZ	67.2050, 54.1787, 101.5232
YIQ	200.0110, 11.7760, 39.9040

Conversions

Conversions Part 2

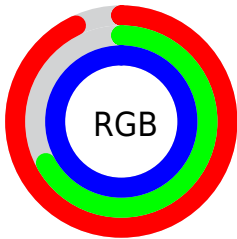
Format	Color
R _Y B	236, 171, 255
Decimal	15510527
CIE Lab	78.57, 37.83, -32.34
CIE LCh	79, 49.772, 319.471
Yxy	54.1787, 0.3015, 0.2431
Android (android.graphics.Color)	4293700607 (0xFFECABFF)
YUV	200.0110, 27.1096, 31.5624
Hunter-Lab	73.6062, 34.1659, -30.2529

Details

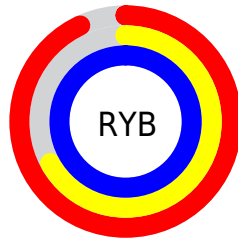
The XYZ color **67.2050, 54.1787, 101.5232** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.3471, 85.4080, 51.6245**, and the grayscale version is **54.7413, 57.5921, 62.7178**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **35.2619, 26.6178, 56.7053** is the 20% darker color. If you saturate the color by 10%, you get **60.9612, 44.4873, 99.9816**, and if you desaturate by 10%, it is **74.4430, 65.7646, 103.3780**.

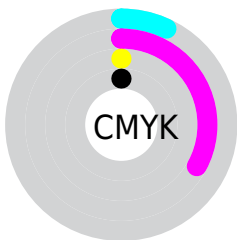
Distribution



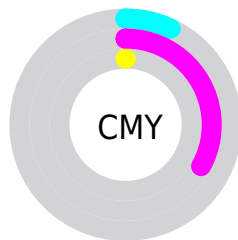
- Red (93%)
- Green (67%)
- Blue (100%)



- 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 67.2050, 54.1787, 101.5232 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 67.2050, 54.1787, 101.5232 by changing the saturation by 10% instead.

67.2050, 54.1787,
101.5232

67.2050, 54.1787,
101.5232

440.0951,
402.7911, 586.3536

49.5226, 38.7445,
76.9493

114.2623, 96.3366,
165.3189

35.2504, 26.5611,
56.6999

144.3678,
123.8291, 205.3778

24.0233, 17.2438,
40.3566

179.3451,
156.1098, 251.4355

15.4757, 10.4085,
27.5008

219.5595,
193.5632, 303.9104

9.2424, 5.6706,
17.7139

265.3763,
236.5737, 363.2211

4.9580, 2.6459,
10.5775

317.1610,

2.2571, 0.9498,

285.5255, 429.7862

5.6729

375.2788,
340.8032, 504.0241

■ 0.7726, 0.0000,
2.5817

■ 0.0000, 0.0000,
0.8830

■ 67.2050, 54.1787,
101.5232

■ 67.2050, 54.1787,
101.5232

■ 60.9612, 44.4873,
99.9816

■ 74.4430, 65.7646,
103.3780

■ 55.6525, 36.5762,
98.7344

■ 82.7201, 79.3372,
105.5615

■ 51.2208, 30.3290,
97.7622

■ 92.0845, 94.9908,
108.0894

■ 47.5992, 25.6128,
97.0427

95.0500, 100.0000,
108.9000

■ 44.7104, 22.2738,
96.5505

■ 42.4605, 20.1253,
96.2544

■ 41.1609, 19.1341,
96.1316

Harmonies

Analogous

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



58.0424, 54.1787, 125.9922



67.2050, 54.1787, 101.5232



72.3570, 54.1787, 69.4246

Triad

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



67.2050, 54.1787, 101.5232



55.0198, 54.1787, 20.2230



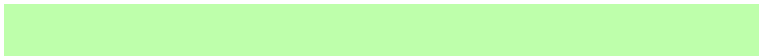
35.6791, 54.1787, 78.8937

Complementary

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



67.2050, 54.1787, 101.5232



64.3471, 85.4080, 51.6245

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.



35.0865, 54.1787, 49.6596



67.2050, 54.1787, 101.5232



45.4599, 54.1787, 21.3097

Square

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



67.2050, 54.1787, 101.5232



64.7520, 54.1787, 26.7195



38.4469, 54.1787, 30.3882



40.1838, 54.1787, 110.3186

Rectangle

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



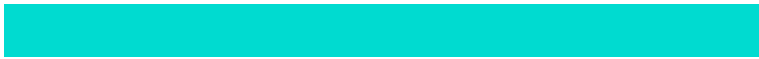
67.2050, 54.1787, 101.5232



72.4329, 54.1787, 50.5410



38.4469, 54.1787, 30.3882



35.0396, 54.1787, 68.3349

Sweetspot

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



67.2066, 54.1810, 101.5235



85.3577, 83.7182, 106.2681



53.3902, 52.9676, 102.0175



17.9976, 17.4659, 22.6726



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.



67.2066, 54.1810, 101.5235



62.6971, 47.1465, 100.4034



70.4549, 56.2482, 83.9361



18.3672, 18.0810, 22.7719



21.6430, 10.0679, 50.2372



2.2010, 1.0286, 4.8958

Inverse Universe

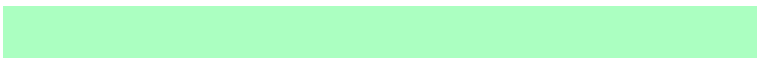
The Inverse Universe completely reimagines the original color for something new.



65.0985, 54.1056, 55.7293



60.4747, 47.1798, 47.0300



62.2264, 84.0468, 63.6315



18.1776, 18.0544, 19.5524



21.9896, 11.2851, 3.3295



2.1803, 1.1145, 0.5307

Previews

White Background



This preview shows how the XYZ color 67.2050, 54.1787, 101.5232 looks on a white background.

Color Contrast Check

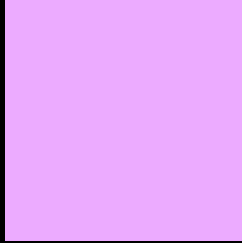
Large Text (above 18pt) WCAG AA × Fail

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 67.2050, 54.1787, 101.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

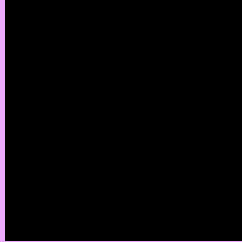
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2050, 54.1787, 101.5232

Background



This preview shows how black text looks on a background with the XYZ color 67.2050, 54.1787, 101.5232.



This preview shows how white text looks on a background with the XYZ color 67.2050, 54.1787,

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

67.2050, 54.1787, 101.5232

Protanopia

55.2514, 54.7070, 102.2552

Deuteranopia

55.8106, 54.4170, 98.8288



Tritanopia

58.6901, 54.2291, 60.1973

Trichromacy



Original Color

67.2050, 54.1787, 101.5232



Protanomaly

58.6877, 53.9237, 101.9229



Deuteranomaly

59.3398, 54.0058, 99.3921

Tritanomaly

61.4081, 54.1251, 73.5403

Monochromacy



Original Color

67.2050, 54.1787, 101.5232



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 67.2050, 54.1787, 101.5232 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(236, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.2050, 54.1787, 101.5232 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(236, 171, 255) }
```


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

```
.border{ border-color:rgb(236, 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(236, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2050, 54.1787, 101.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 171, 255) }
```

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

```
.background{ background-color: rgb(236,  
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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