

Converting Colors

XYZ(83.2556, 59.5118,
188.8339)

Have a look what the booklet for
XYZ(83.2556, 59.5118, 188.8339)
contains.

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Color

**XYZ(66.4608, 52.6903,
101.2751)**

Conversions

Conversions Part 1

Format	Color
Hex	ECA7FF
RGB	236, 167, 255
RGB Percent	93%, 65%, 100%
CMY	0.0745, 0.3451, 0.0000
CMYK	0.07, 0.35, 0.00, 0.00
HSL	287°, 100%, 83%
HSV	287°, 35%, 100%
XYZ	66.4608, 52.6903, 101.2751
YIQ	197.6630, 12.8760, 41.9960

Conversions

Conversions Part 2

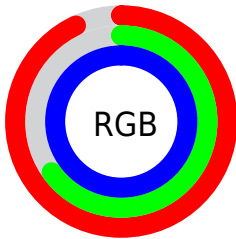
Format	Color
R _Y B	236, 167, 255
Decimal	15509503
CIE _{Lab}	77.69, 39.95, -33.69
CIE _{LCh}	78, 52.258, 319.856
Y _{xy}	52.6903, 0.3015, 0.2390
Android (android.graphics.Color)	4293699583 (0xFFECA7FF)
YUV	197.6630, 28.2671, 33.6215
Hunter-Lab	72.5881, 36.4034, -31.9099

Details

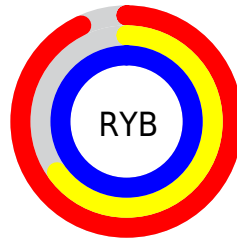
The XYZ color **66.4608, 52.6903, 101.2751** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.9859, 84.7497, 49.6003**, and the grayscale version is **53.3021, 56.0779, 61.0689**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **34.8008, 25.6956, 56.5516** is the 20% darker color. If you saturate the color by 10%, you get **60.4423, 43.3243, 99.7845**, and if you desaturate by 10%, it is **73.4598, 63.9316, 103.0760**.

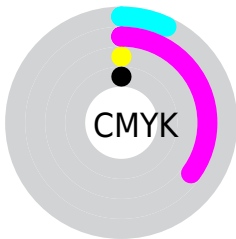
Distribution



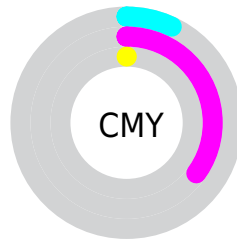
- Red (93%)
- Green (65%)
- Blue (100%)



- Red (93%)
- Yellow (65%)
- Blue (100%)



- Cyan (7%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4608, 52.6903, 101.2751 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 66.4608, 52.6903, 101.2751 by changing the saturation by 10% instead.


 66.4608, 52.6903,
101.2751


 66.4608, 52.6903,
101.2751


437.4858,
397.0958, 585.5546

 48.9156, 37.5556,
76.7430


 113.2015, 94.1485,
164.9755

 34.7668, 25.6380,
56.5317


 143.1278,
121.2408, 204.9809

 23.6490, 16.5530,
40.2225


177.9118,
153.0877, 250.9812

 15.1968, 9.9163,
27.3970

217.9190,
190.0737, 303.3949

 9.0448, 5.3435,
17.6365

263.5146,
232.5830, 362.6406

 4.8278, 2.4502,
10.5226

315.0640,

 2.1803, 0.8515,

281.0003, 429.1367

5.6367

372.9326,
335.7097, 503.3019

■ 0.7323, 0.0000,
2.5603

■ 0.0000, 0.0000,
0.8718

■ 66.4608, 52.6903,
101.2751

■ 66.4608, 52.6903,
101.2751

■ 60.4423, 43.3243,
99.7845

■ 73.4598, 63.9316,
103.0760

■ 55.3446, 35.7181,
98.5850

■ 81.4850, 77.1419,
105.2029

■ 51.1087, 29.7534,
97.6570

■ 90.5848, 92.4162,
107.6715

■ 47.6665, 25.2944,
96.9777

95.0500, 100.0000,
108.9000

■ 44.9384, 22.1833,
96.5210

■ 42.8275, 20.2265,
96.2546

■ 41.8550, 19.4919,
96.1641

Harmonies

Analogous

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



56.9786, 52.6903, 127.2904



66.4608, 52.6903, 101.2751



71.7595, 52.6903, 67.7464

Triad

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



66.4608, 52.6903, 101.2751



53.5832, 52.6903, 18.1630



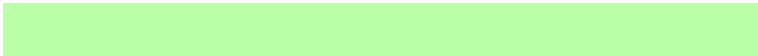
33.9301, 52.6903, 78.4369

Complementary

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



66.4608, 52.6903, 101.2751



62.9859, 84.7497, 49.6003

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.



33.2771, 52.6903, 48.1126



66.4608, 52.6903, 101.2751



43.7630, 52.6903, 19.3201

Square

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



66.4608, 52.6903, 101.2751



63.6895, 52.6903, 24.4660



36.6405, 52.6903, 28.4403



38.5630, 52.6903, 111.3268

Rectangle

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



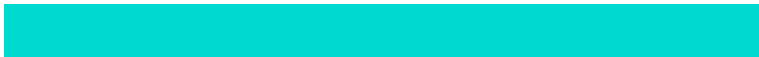
66.4608, 52.6903, 101.2751



71.7810, 52.6903, 48.3580



36.6405, 52.6903, 28.4403



33.2642, 52.6903, 67.4392

Sweetspot

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



66.4624, 52.6925, 101.2755



85.4513, 83.7665, 106.2725



51.5612, 50.5836, 101.6538



18.0204, 17.4777, 22.6737



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.



66.4624, 52.6925, 101.2755



62.4461, 46.4041, 100.2734



69.3521, 54.6163, 81.7998



18.3863, 18.0909, 22.7728



22.0017, 10.2528, 50.2540



2.2330, 1.0451, 4.8973

Inverse Universe

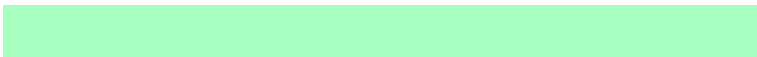
The Inverse Universe completely reimagines the original color for something new.



63.9229, 52.4446, 53.2097



59.7633, 46.2346, 45.3207



61.2048, 83.5390, 62.7313



18.1699, 18.0513, 19.5116



21.9541, 11.2709, 3.1429



2.1758, 1.1127, 0.5072

Previews

White Background



This preview shows how the XYZ color 66.4608, 52.6903, 101.2751 looks on a white background.

Color Contrast Check

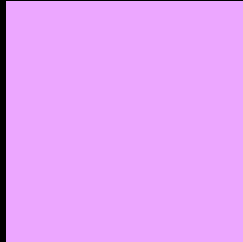
Large Text (above 18pt) WCAG AA × Fail

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 66.4608, 52.6903, 101.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

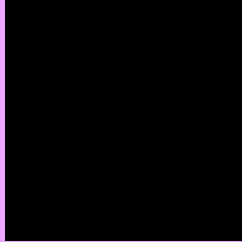
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4608, 52.6903, 101.2751

Background



This preview shows how black text looks on a background with the XYZ color 66.4608, 52.6903, 101.2751.

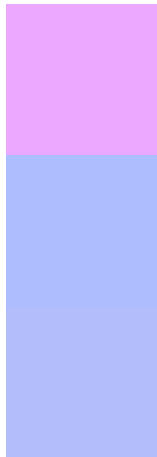


This preview shows how white text looks on a background with the XYZ color 66.4608, 52.6903,

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

66.4608, 52.6903, 101.2751

Protanopia

53.6970, 52.9311, 101.9943

Deuteranopia

54.2006, 52.9439, 98.6293



Tritanopia

57.4243, 52.4213, 57.5438

Trichromacy



Original Color

66.4608, 52.6903, 101.2751



Protanomaly

57.5429, 52.4117, 101.6914



Deuteranomaly

57.9140, 52.3554, 99.1487

Tritanomaly

60.3578, 52.4408, 71.9066

Monochromacy



Original Color

66.4608, 52.6903, 101.2751



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

57.7079, 54.6522, 74.5252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4608, 52.6903, 101.2751 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 167, 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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.4608, 52.6903, 101.2751 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, 167, 255) }
```


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

```
.border{ border-color:rgb(236, 167, 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, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4608, 52.6903, 101.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 167, 255) }
```

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

```
.background{ background-color: rgb(236,  
167, 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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