

Converting Colors

XYZ(72.5286, 58.2126,
134.5778)

Have a look what the booklet for
XYZ(72.5286, 58.2126, 134.5778)
contains.

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Color

**XYZ(66.2835, 55.7188,
101.8690)**

Conversions

Conversions Part 1

Format	Color
Hex	E5B2FF
RGB	229, 178, 255
RGB Percent	90%, 70%, 100%
CMY	0.1020, 0.3019, 0.0000
CMYK	0.10, 0.30, 0.00, 0.00
HSL	280°, 100%, 85%
HSV	280°, 30%, 100%
XYZ	66.2835, 55.7188, 101.8690
YIQ	202.0270, 5.6790, 34.7590

Conversions

Conversions Part 2

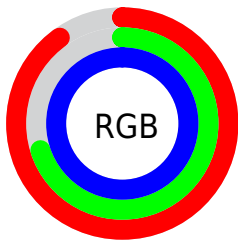
Format	Color
R _Y B	229, 178, 255
Decimal	15053567
CIE Lab	79.45, 31.96, -31.03
CIE LCh	79, 44.548, 315.841
Yxy	55.7188, 0.2961, 0.2489
Android (android.graphics.Color)	4293243647 (0xFFE5B2FF)
YUV	202.0270, 26.1157, 23.6553
Hunter-Lab	74.6450, 27.8761, -28.6623

Details

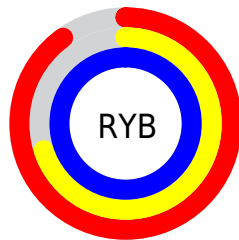
The XYZ color **66.2835, 55.7188, 101.8690** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.6989, 87.5723, 55.4043**, and the grayscale version is **55.9972, 58.9134, 64.1567**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **34.7602, 27.6287, 56.9269** is the 20% darker color. If you saturate the color by 10%, you get **58.9943, 45.1176, 100.2070**, and if you desaturate by 10%, it is **74.6552, 68.2808, 103.8525**.

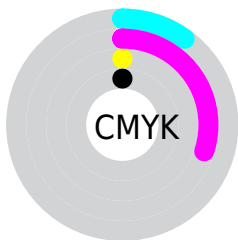
Distribution



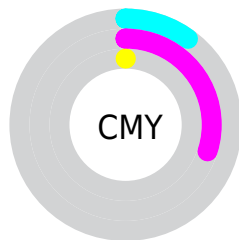
- Red (90%)
- Green (70%)
- Blue (100%)



- Red (90%)
- Yellow (70%)
- Blue (100%)



- Cyan (10%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2835, 55.7188, 101.8690 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 66.2835, 55.7188, 101.8690 by changing the saturation by 10% instead.

66.2835, 55.7188,
101.8690

66.2835, 55.7188,
101.8690

436.8628,
408.6309, 587.4662

48.7711, 39.9775,
77.2368

112.9486, 98.5933,
165.7975

34.6517, 27.5210,
56.9345

142.8321,
126.4953, 205.9308

23.5600, 17.9649,
40.5436

177.5699,
159.2197, 252.0683

15.1305, 10.9248,
27.6457

217.5275,
197.1509, 304.6284

8.9979, 6.0163,
17.8220

263.0703,
240.6731, 364.0297

4.7969, 2.8550,
10.6542

314.5635,

2.1621, 1.0565,

290.1710, 430.6907

5.7236

372.3725,
346.0288, 505.0300

■ 0.7227, 0.0000,
2.6117

■ 0.0000, 0.0000,
0.8985

■ 66.2835, 55.7188,
101.8690

■ 66.2835, 55.7188,
101.8690

■ 58.9943, 45.1176,
100.2070

■ 74.6552, 68.2808,
103.8525

■ 52.7285, 36.3646,
98.8477

■ 84.1548, 82.8944,
106.1725

■ 47.4282, 29.3463,
97.7724

94.8307, 99.6528,
108.8445

■ 43.0273, 23.9333,
96.9595

95.0500, 100.0000,
108.9000

■ 39.4502, 19.9776,
96.3846

■ 36.6070, 17.3027,
96.0181

■ 34.3903, 15.6437,
95.8147

Harmonies

Analogous

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



57.7948, 55.7188, 121.4770



66.2835, 55.7188, 101.8690



71.4511, 55.7188, 73.5354

Triad

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



66.2835, 55.7188, 101.8690



57.2795, 55.7188, 24.3397



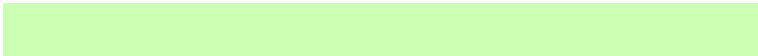
38.0739, 55.7188, 75.1342

Complementary

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



66.2835, 55.7188, 101.8690



68.6989, 87.5723, 55.4043

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.



37.9692, 55.7188, 49.3972



66.2835, 55.7188, 101.8690



48.4009, 55.7188, 24.5437

Square

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



66.2835, 55.7188, 101.8690



65.8699, 55.7188, 31.7437



41.5518, 55.7188, 32.4120



41.8562, 55.7188, 103.3198

Rectangle

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



66.2835, 55.7188, 101.8690



71.9815, 55.7188, 55.7918



41.5518, 55.7188, 32.4120



37.6231, 55.7188, 65.8210

Sweetspot

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



66.2852, 55.7211, 101.8694



85.3670, 84.7812, 106.4728



58.2313, 60.3258, 103.1827



17.9564, 17.6555, 22.7114



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.



66.2852, 55.7211, 101.8694



61.9242, 49.3333, 100.8663



73.4072, 59.6010, 92.7865



18.1620, 17.9752, 22.7623



18.1354, 8.2596, 50.0730



1.8824, 0.8643, 4.8809

Inverse Universe

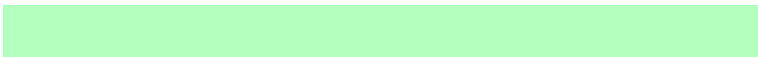
The Inverse Universe completely reimagines the original color for something new.



68.0608, 57.4625, 64.6326



64.1325, 51.4294, 57.7016



63.3668, 84.6838, 61.4659



18.2624, 18.0883, 19.9990



22.4907, 11.4856, 5.9685



2.2384, 1.1377, 0.8369

Previews

White Background



This preview shows how the XYZ color 66.2835, 55.7188, 101.8690 looks on a white background.

Color Contrast Check

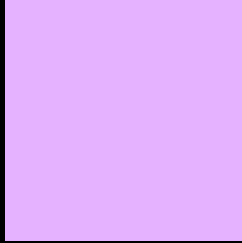
Large Text (above 18pt) WCAG AA × Fail

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 66.2835, 55.7188, 101.8690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

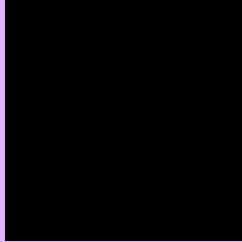
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2835, 55.7188, 101.8690

Background



This preview shows how black text looks on a background with the XYZ color 66.2835, 55.7188, 101.8690.



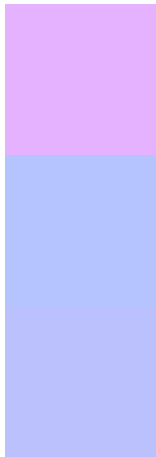
This preview shows how white text looks on a background with the XYZ color 66.2835, 55.7188,

101.8690.

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

66.2835, 55.7188, 101.8690

Protanopia

56.6212, 56.0740, 102.4468

Deuteranopia

57.1342, 55.7330, 99.8417



Tritanopia

58.5815, 55.6504, 64.1539

Trichromacy



Original Color

66.2835, 55.7188, 101.8690



Protanomaly

59.5363, 55.6210, 102.2058



Deuteranomaly

60.0700, 55.6148, 100.4972

Tritanomaly

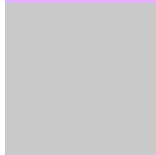
61.0658, 55.4022, 76.5824

Monochromacy



Original Color

66.2835, 55.7188, 101.8690



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

59.2725, 57.3574, 76.3537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2835, 55.7188, 101.8690 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(229, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 178, 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(229, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.2835, 55.7188, 101.8690 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(229, 178, 255) }
```


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

```
.border{ border-color:rgb(229, 178, 255) }
```

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

Here you see how a box with a 4 pixel rgb(229, 178, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2835, 55.7188, 101.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 178, 255) }
```

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

```
.background{ background-color: rgb(229,  
178, 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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