

Converting Colors

XYZ(88.6021, 66.1436,
218.0553)

Have a look what the booklet for
XYZ(88.6021, 66.1436, 218.0553)
contains.

XYZ(66.6620, 57.4179, 102.1770)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.6620, 57.4179,
102.1770)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B7FF
RGB	227, 183, 255
RGB Percent	89%, 72%, 100%
CMY	0.1098, 0.2823, 0.0000
CMYK	0.11, 0.28, 0.00, 0.00
HSL	277°, 100%, 86%
HSV	277°, 28%, 100%
XYZ	66.6620, 57.4179, 102.1770
YIQ	204.3640, 3.1120, 31.7200

Conversions

Conversions Part 2

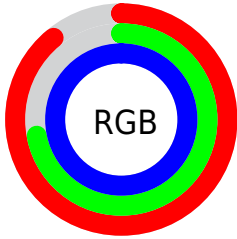
Format	Color
R _Y B	227, 183, 255
Decimal	14923775
CIE Lab	80.41, 28.66, -29.58
CIE LCh	80, 41.185, 314.100
Yxy	57.4179, 0.2946, 0.2538
Android (android.graphics.Color)	4293113855 (0xFFE3B7FF)
YUV	204.3640, 24.9635, 19.8518
Hunter-Lab	75.7746, 24.4282, -26.9064

Details

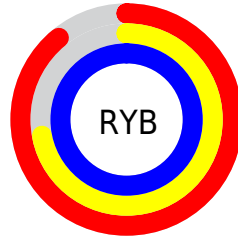
The XYZ color **66.6620, 57.4179, 102.1770** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.1726, 88.7884, 58.1892**, and the grayscale version is **57.4719, 60.4649, 65.8463**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **34.9703, 28.7004, 57.1227** is the 20% darker color. If you saturate the color by 10%, you get **58.8332, 46.2700, 100.4379**, and if you desaturate by 10%, it is **75.6271, 70.5689, 104.2429**.

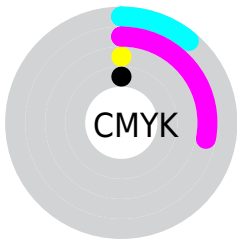
Distribution



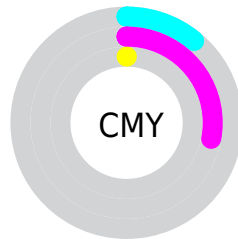
- Red (89%)
- Green (72%)
- Blue (100%)



- Red (89%)
- Yellow (72%)
- Blue (100%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6620, 57.4179, 102.1770 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 66.6620, 57.4179, 102.1770 by changing the saturation by 10% instead.

66.6620, 57.4179,
102.1770

66.6620, 57.4179,
102.1770

438.1921,
415.0134, 588.4562

49.0797, 41.3409,
77.4929

113.4884,
101.0747, 166.2236

34.8975, 28.5855,
57.1435

143.4633,
129.4232, 206.4231

23.7501, 18.7675,
40.7104

178.2996,
162.6311, 252.6316

15.2721, 11.5024,
27.7748

218.3629,
201.0826, 305.2675

9.0981, 6.4058,
17.9184

264.0184,
245.1622, 364.7493

4.8628, 3.0934,
10.7226

315.6316,

2.2009, 1.1807,

295.2543, 431.4957

5.7688

373.5677,
351.7432, 505.9252

■ 0.7432, 0.0458,
2.6385

■ 0.0000, 0.0000,
0.9122

■ 66.6620, 57.4179,
102.1770

■ 66.6620, 57.4179,
102.1770

■ 58.8332, 46.2700,
100.4379

■ 75.6271, 70.5689,
104.2429

■ 52.0812, 37.0136,
99.0071

■ 85.7739, 85.8127,
106.6505

■ 46.3482, 29.5368,
97.8661

95.0500, 100.0000,
108.9000

■ 41.5685, 23.7127,
96.9939

■ 37.6673, 19.3970,
96.3664

■ 34.5570, 16.4191,
95.9556

■ 32.1180, 14.5449,
95.7224

■ 31.7281, 14.2713,
95.6901

Harmonies

Analogous

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



58.6230, 57.4179, 119.2827



66.6620, 57.4179, 102.1770



71.7130, 57.4179, 76.1319

Triad

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



66.6620, 57.4179, 102.1770



59.1407, 57.4179, 27.6312



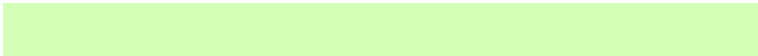
40.3017, 57.4179, 74.5358

Complementary

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



66.6620, 57.4179, 102.1770



71.1726, 88.7884, 58.1892

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.



40.4096, 57.4179, 50.6328



66.6620, 57.4179, 102.1770



50.7159, 57.4179, 27.4126

Square

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



66.6620, 57.4179, 102.1770



67.0746, 57.4179, 35.4358



44.0434, 57.4179, 34.7338



43.7319, 57.4179, 100.7520

Rectangle

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



66.6620, 57.4179, 102.1770



72.4101, 57.4179, 59.2543



44.0434, 57.4179, 34.7338



39.9374, 57.4179, 65.9001

Sweetspot

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



66.6637, 57.4202, 102.1774



86.0252, 86.1941, 106.7109



61.0739, 64.2764, 103.7954



18.0687, 17.9271, 22.7579



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.



66.6637, 57.4202, 102.1774



62.0132, 50.7528, 101.1356



75.0868, 61.8940, 96.6340



18.0687, 17.9271, 22.7579



16.7509, 7.5459, 50.0082



1.7534, 0.7978, 4.8749

Inverse Universe

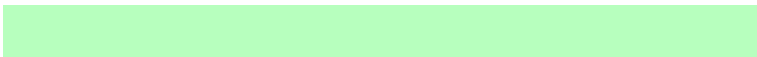
The Inverse Universe completely reimagines the original color for something new.



69.9328, 59.8323, 69.4929



65.9607, 53.6412, 62.7647



64.6063, 85.3145, 61.8947



18.3018, 18.1040, 20.2065



22.7975, 11.6083, 7.5840



2.2714, 1.1509, 1.0104

Previews

White Background



This preview shows how the XYZ color 66.6620, 57.4179, 102.1770 looks on a white background.

Color Contrast Check

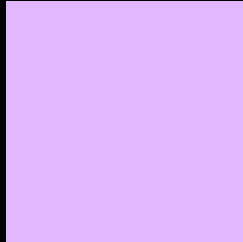
Large Text (above 18pt) WCAG AA × Fail

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 66.6620, 57.4179, 102.1770 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 66.6620, 57.4179, 102.1770

Background



This preview shows how black text looks on a background with the XYZ color 66.6620, 57.4179, 102.1770.



This preview shows how white text looks on a background with the XYZ color 66.6620, 57.4179,

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

66.6620, 57.4179, 102.1770

Protanopia

58.0112, 57.7985, 102.7064

Deuteranopia

59.0488, 57.7146, 100.1233



Tritanopia

59.6273, 57.4199, 66.9719

Trichromacy



Original Color

66.6620, 57.4179, 102.1770

Protanomaly

60.9394, 57.6393, 102.5214

Deuteranomaly

61.5373, 57.3326, 100.7514

Tritanomaly

62.0836, 57.4650, 78.3407

Monochromacy



Original Color

66.6620, 57.4179, 102.1770

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

60.2106, 58.8046, 77.9890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6620, 57.4179, 102.1770 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(227, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 183, 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(227, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6620, 57.4179, 102.1770 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(227, 183, 255) }
```


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

```
.border{ border-color:rgb(227, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 183, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 183, 255); box-shadow:4px 4px 4px 4px rgb(227, 183, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6620, 57.4179, 102.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 183, 255) }
```

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

```
.background{ background-color: rgb(227,  
183, 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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