

Converting Colors

XYZ(67.9724, 73.1097,
105.1256)

Have a look what the booklet for
XYZ(67.9724, 73.1097, 105.1256)
contains.

XYZ(67.7402, 72.8062, 105.0905)	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(67.7402, 72.8062,
105.0905)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E1FF
RGB	196, 225, 255
RGB Percent	77%, 88%, 100%
CMY	0.2314, 0.1176, 0.0000
CMYK	0.23, 0.12, 0.00, 0.00
HSL	211°, 100%, 88%
HSV	211°, 23%, 100%
XYZ	67.7402, 72.8062, 105.0905
YIQ	219.7490, -26.9140, 3.1820

Conversions

Conversions Part 2

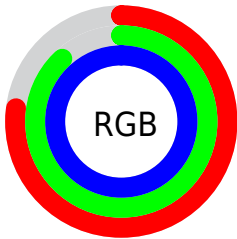
Format	Color
R_{YB}	196, 215, 255
Decimal	12902911
CIE _{Lab}	88.36, -3.19, -17.73
CIE _{LCh}	88, 18.012, 259.813
Yxy	72.8062, 0.2758, 0.2964
Android (android.graphics.Color)	4291092991 (0xFFC4E1FF)
YUV	219.7490, 17.3787, -20.8279
Hunter-Lab	85.3265, -7.6115, -13.2946

Details

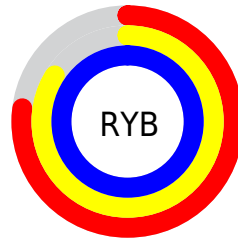
The XYZ color **67.7402, 72.8062, 105.0905** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.4001, 79.6376, 63.4658**, and the grayscale version is **67.7504, 71.2787, 77.6226**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.5523, 38.4894, 58.9815** is the 20% darker color. If you saturate the color by 10%, you get **58.2899, 62.9290, 103.6821**, and if you desaturate by 10%, it is **78.5878, 83.8025, 106.6412**.

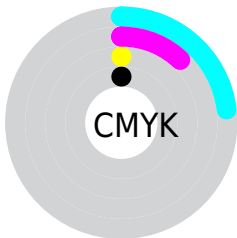
Distribution



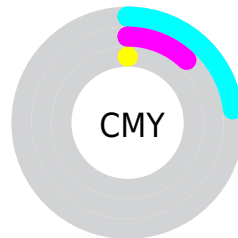
- Red (77%)
- Green (88%)
- Blue (100%)



- Red (77%)
- Yellow (84%)
- Blue (100%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7402, 72.8062, 105.0905 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 67.7402, 72.8062, 105.0905 by changing the saturation by 10% instead.

■ 67.7402, 72.8062,
105.0905

■ 67.7402, 72.8062,
105.0905

441.9662,
470.3429, 597.7784

■ 49.9593, 53.8175,
79.9181

115.0244,
123.2020, 170.2479

■ 35.5987, 38.4558,
59.1252

145.2583,
155.3780, 211.0701

■ 24.2931, 26.3366,
42.2932

180.3740,
192.7185, 257.9458

■ 15.6771, 17.0756,
29.0037

220.7369,
235.6079, 311.2938

■ 9.3854, 10.2884,
18.8380

266.7121,
284.4307, 371.5325

■ 5.0525, 5.5906,
11.3777

318.6652,

■ 2.3132, 2.5978,

339.5711, 439.0805

6.2041

376.9614,
401.4137, 514.3563

■ 0.8014, 0.9256,
2.8988

■ 0.0000, 0.0000,
1.0432

■ 67.7402, 72.8062,
105.0905

■ 67.7402, 72.8062,
105.0905

■ 58.2899, 62.9290,
103.6821

■ 78.5878, 83.8025,
106.6412

■ 50.1683, 54.1213,
102.4101

■ 90.8855, 95.9480,
108.3374

■ 43.3091, 46.3418,
101.2700

95.0500, 100.0000,
108.9000

■ 37.6378, 39.5427,
100.2565

■ 33.0712, 33.6713,
99.3639

■ 29.5137, 28.6682,
98.5857

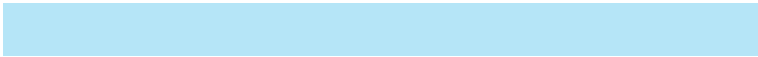
■ 26.8501, 24.4635,
97.9145

■ 25.4282, 21.9765,
97.5094

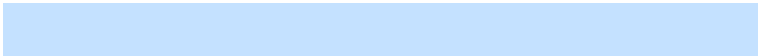
Harmonies

Analogous

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



63.9733, 72.8062, 98.8875



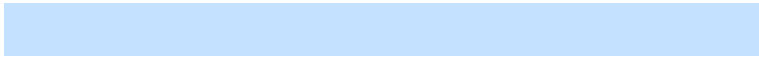
67.7402, 72.8062, 105.0905



72.0562, 72.8062, 103.8477

Triad

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



67.7402, 72.8062, 105.0905



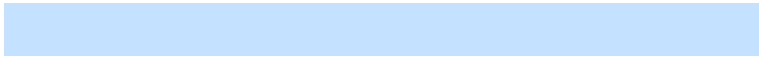
77.3193, 72.8062, 71.4748



63.0418, 72.8062, 64.8818

Complementary

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



67.7402, 72.8062, 105.0905



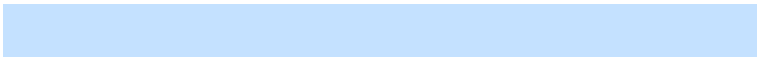
78.4001, 79.6376, 63.4658

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.



66.4205, 72.8062, 58.9185



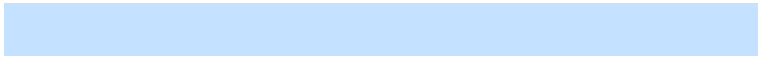
67.7402, 72.8062, 105.0905



74.7042, 72.8062, 62.4415

Square

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



67.7402, 72.8062, 105.0905



77.7087, 72.8062, 83.5594



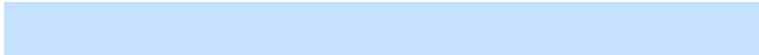
70.6808, 72.8062, 58.0742



61.3364, 72.8062, 75.1369

Rectangle

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



67.7402, 72.8062, 105.0905



74.6603, 72.8062, 99.0036



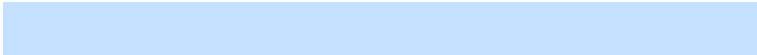
70.6808, 72.8062, 58.0742



64.0128, 72.8062, 62.3561

Sweetspot

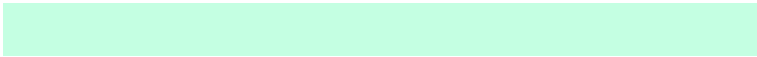
The Sweet Spot groups the original color and five complimentary colors.



67.7422, 72.8091, 105.0909



85.9580, 91.1160, 107.6644



72.1849, 88.7198, 84.9135



18.2381, 19.3444, 23.0225



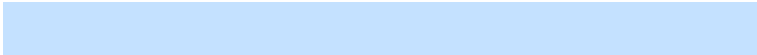
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7422, 72.8091, 105.0909



62.9744, 67.8669, 104.3883



60.5564, 58.4374, 102.6956



17.7403, 18.8523, 22.9538



13.4354, 11.7805, 51.0003



1.4172, 1.3650, 5.0021

Inverse Universe

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



74.5718, 66.1777, 80.0806



71.0440, 60.4736, 74.7381



86.9642, 96.7657, 66.3205



18.3816, 18.1359, 20.6266



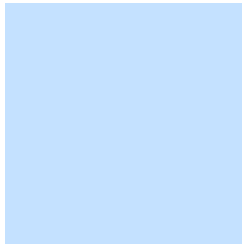
23.5698, 11.9172, 11.6509



2.3499, 1.1823, 1.4242

Previews

White Background



This preview shows how the XYZ color 67.7402, 72.8062, 105.0905 looks on a white background.

Color Contrast Check

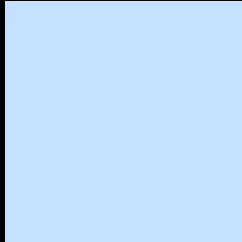
Large Text (above 18pt) WCAG AA × Fail

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 67.7402, 72.8062, 105.0905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

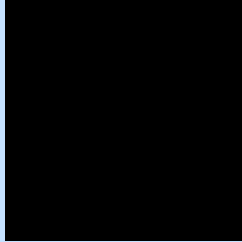
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

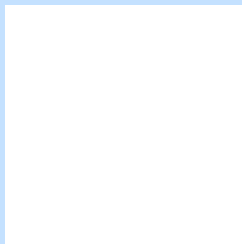
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7402, 72.8062, 105.0905

Background



This preview shows how black text looks on a background with the XYZ color 67.7402, 72.8062, 105.0905.

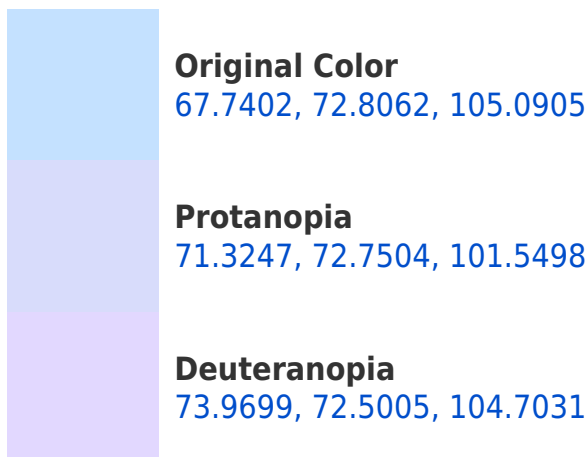


This preview shows how white text looks on a background with the XYZ color 67.7402, 72.8062,

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





Tritanopia

66.1986, 73.0001, 96.9876

Trichromacy



Original Color

67.7402, 72.8062, 105.0905

Protanomaly

69.9865, 72.8261, 102.4636

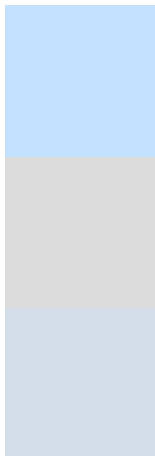
Deuteranomaly

71.4058, 72.3301, 104.8054

Tritanomaly

66.8009, 72.8344, 100.1602

Monochromacy



Original Color

67.7402, 72.8062, 105.0905

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6932, 71.9746, 87.4155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7402, 72.8062, 105.0905 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(196, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 225, 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(196, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7402, 72.8062, 105.0905 is called "border". The border property can be set on classes, ids or directly on the HTML element.

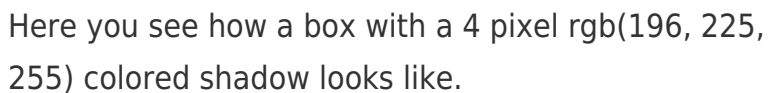
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 225, 255) }
```


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

```
.border{ border-color:rgb(196, 225, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7402, 72.8062, 105.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 225, 255) }
```

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

```
.background{ background-color: rgb(196,  
225, 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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