

# Converting Colors

XYZ(66.9859, 71.1624,  
104.8129)

Have a look what the booklet for  
XYZ(66.9859, 71.1624, 104.8129)  
contains.

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# **Color**

**XYZ(66.9362, 71.1983,  
104.8225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4DEFF
RGB	196, 222, 255
RGB Percent	77%, 87%, 100%
CMY	0.2314, 0.1294, 0.0000
CMYK	0.23, 0.13, 0.00, 0.00
HSL	214°, 100%, 88%
HSV	214°, 23%, 100%
XYZ	66.9362, 71.1983, 104.8225
YIQ	217.9880, -26.0890, 4.7510

# Conversions

## Conversions Part 2

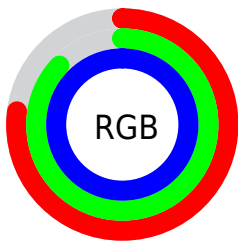
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 214, 255
Decimal	12902143
CIE Lab	87.58, -1.62, -18.89
CIE LCh	88, 18.964, 265.088
Yxy	71.1983, 0.2755, 0.2930
Android (android.graphics.Color)	4291092223 (0xFFC4DEFF)
YUV	217.9880, 18.2469, -19.2835
Hunter-Lab	84.3791, -6.0630, -14.5895

# Details

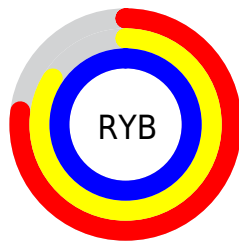
The XYZ color **66.9362, 71.1983, 104.8225** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.2230, 81.2833, 63.7400**, and the grayscale version is **66.5250, 69.9895, 76.2186**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **34.9963, 37.3774, 58.7961** is the 20% darker color. If you saturate the color by 10%, you get **57.2298, 60.8088, 103.3287**, and if you desaturate by 10%, it is **78.0942, 82.8154, 106.4767**.

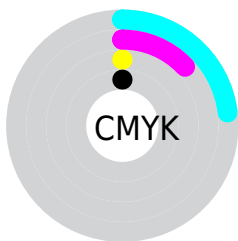
# Distribution



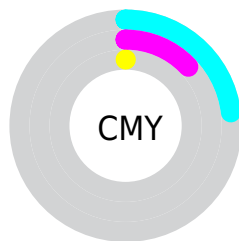
- Red (77%)
- Green (87%)
- Blue (100%)



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



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9362, 71.1983, 104.8225 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 66.9362, 71.1983, 104.8225 by changing the saturation by 10% instead.



■ 66.9362, 71.1983,  
104.8225

■ 66.9362, 71.1983,  
104.8225

439.1537,  
464.7463, 596.9241

■ 49.3033, 52.5040,  
79.6948

113.8793,  
120.9160, 169.8782

■ 35.0757, 37.4070,  
58.9426

143.9202,  
152.7083, 210.6434

■ 23.8879, 25.5228,  
42.1472

178.8278,  
189.6354, 257.4581

■ 15.3748, 16.4670,  
28.8901

218.9674,  
232.0816, 310.7409

■ 9.1709, 9.8552,  
18.7529

264.7045,  
280.4314, 370.9104

■ 4.9108, 5.3030,  
11.3168

316.4043,

■ 2.2292, 2.4261,

335.0692, 438.3850

6.1635

374.4323,  
396.3794, 513.5834

■ 0.7581, 0.8393,  
2.8744

■ 0.0000, 0.0000,  
1.0308

■ 66.9362, 71.1983,  
104.8225

■ 66.9362, 71.1983,  
104.8225

■ 57.2298, 60.8088,  
103.3287

■ 78.0942, 82.8154,  
106.4767

■ 48.9042, 51.5932,  
101.9887

■ 90.7585, 95.6941,  
108.2951

■ 41.8912, 43.5061,  
100.7974

■ 95.0500, 100.0000,  
108.9000

■ 36.1141, 36.4952,  
99.7486

■ 31.4871, 30.5030,  
98.8359

■ 27.9120, 25.4650,  
98.0519

■ 25.2712, 21.3058,  
97.3882

■ 23.8868, 18.8936,  
96.9956

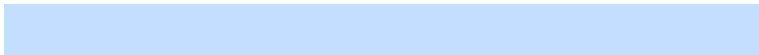
# Harmonies

## Analogous

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



62.8558, 71.1983, 99.5885



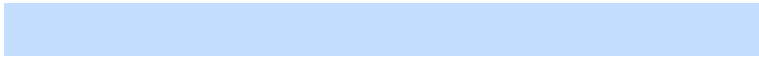
66.9362, 71.1983, 104.8225



71.3943, 71.1983, 102.1083

# Triad

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



66.9362, 71.1983, 104.8225



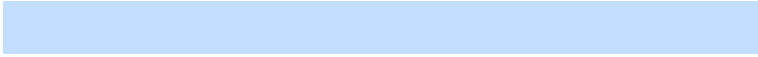
75.7855, 71.1983, 67.5161



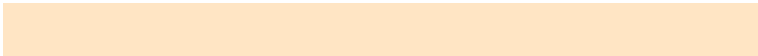
60.8442, 71.1983, 64.2308

# Complementary

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



66.9362, 71.1983, 104.8225



79.2230, 81.2833, 63.7400

# 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.



64.0811, 71.1983, 57.2391



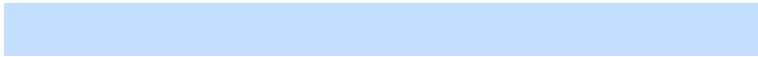
66.9362, 71.1983, 104.8225



72.7278, 71.1983, 58.9839

# Square

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



66.9362, 71.1983, 104.8225



76.6318, 71.1983, 79.6567



68.4129, 71.1983, 55.4294



59.4390, 71.1983, 75.4275



# Rectangle

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



66.9362, 71.1983, 104.8225



73.9641, 71.1983, 96.2981



68.4129, 71.1983, 55.4294



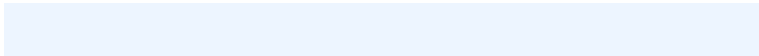
61.7470, 71.1983, 61.3618

# Sweetspot

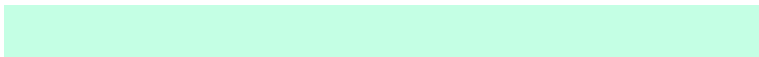
The Sweet Spot groups the original color and five complimentary colors.



66.9382, 71.2011, 104.8229



85.6827, 90.5655, 107.5727



72.5920, 88.8827, 87.0577



18.1744, 19.2170, 23.0013



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

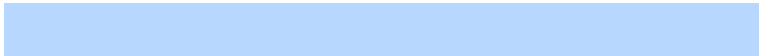


# Same Dimension

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



66.9382, 71.2011, 104.8229



62.0392, 65.9965, 104.0765



61.3312, 58.8368, 102.7319



17.6618, 18.6952, 22.9276



12.6243, 10.1582, 50.7299



1.3359, 1.2024, 4.9750



# Inverse Universe

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



74.1660, 66.0153, 77.9437



70.5720, 60.2848, 72.2523



85.8872, 96.2105, 66.2700



18.3419, 18.1201, 20.4178



23.1604, 11.7534, 9.4950

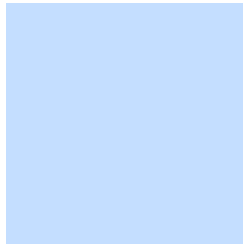


2.3089, 1.1659, 1.2080



# Previews

## White Background



This preview shows how the XYZ color 66.9362, 71.1983, 104.8225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

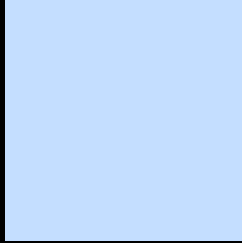
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9362, 71.1983, 104.8225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

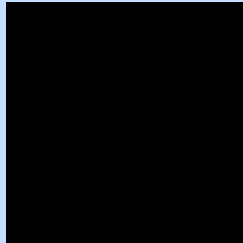
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

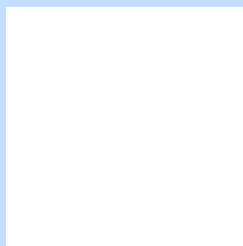
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.9362, 71.1983, 104.8225

## Background



This preview shows how black text looks on a background with the XYZ color 66.9362, 71.1983, 104.8225.



This preview shows how white text looks on a background with the XYZ color 66.9362, 71.1983,



# 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

66.9362, 71.1983, 104.8225

### Protanopia

69.8241, 70.8001, 102.0811

### Deuteranopia

72.2208, 70.8427, 104.4753



## Tritanopia

64.6750, 71.0596, 94.3115

# Trichromacy



## Original Color

66.9362, 71.1983, 104.8225

## Protanomaly

68.7933, 71.0203, 103.0110

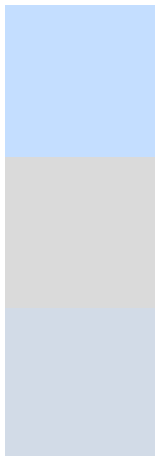
## Deuteranomaly

70.3034, 70.9918, 104.6051

## Tritanomaly

65.4243, 70.9601, 98.2441

# Monochromacy



## Original Color

66.9362, 71.1983, 104.8225

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.3337, 70.1342, 85.6424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9362, 71.1983, 104.8225 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 222, 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, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 222, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9362, 71.1983, 104.8225 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".

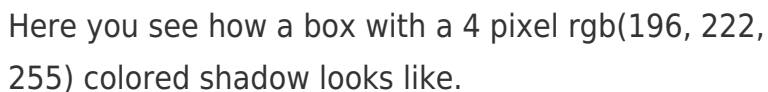
```
.border, #border, table{ border:4px solid rgb(196, 222, 255) }
```



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

```
.border{ border-color:rgb(196, 222, 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, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 222, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 222, 255); box-shadow:4px 4px 4px 4px rgb(196, 222, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9362, 71.1983, 104.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 222, 255) }
```

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

```
.background{ background-color: rgb(196,  
222, 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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