

# Converting Colors

XYZ(77.9541, 100.0000,  
107.0720)

Have a look what the booklet for  
XYZ(77.9541, 100.0000, 107.0720)  
contains.

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# Color

**XYZ(72.1531, 88.2516,  
105.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FFFC
RGB	180, 255, 252
RGB Percent	71%, 100%, 99%
CMY	0.2941, 0.0000, 0.0118
CMYK	0.29, 0.00, 0.01, 0.00
HSL	178°, 100%, 85%
HSV	178°, 29%, 100%
XYZ	72.1531, 88.2516, 105.3268
YIQ	232.2330, -43.7370, -16.8330

# Conversions

## Conversions Part 2

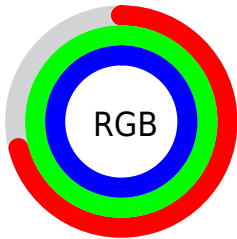
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 218, 255
Decimal	11862012
CIELab	95.27, -23.48, -5.96
CIElCh	95, 24.226, 194.240
Yxy	88.2516, 0.2715, 0.3321
Android (android.graphics.Color)	4290052092 (0xFFB4FFFC)
YUV	232.2330, 9.7451, -45.8083
Hunter-Lab	93.9423, -27.3008, -0.7155

# Details

The XYZ color **72.1531, 88.2516, 105.3268** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.1094, 57.3229, 52.3808**, and the grayscale version is **76.8290, 80.8301, 88.0239**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **38.3566, 48.6134, 58.9915** is the 20% darker color. If you saturate the color by 10%, you get **66.5922, 85.4034, 104.2268**, and if you desaturate by 10%, it is **78.8089, 91.6640, 106.4854**.

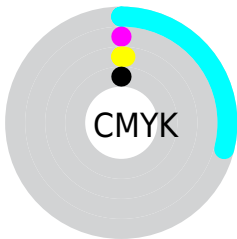
# Distribution



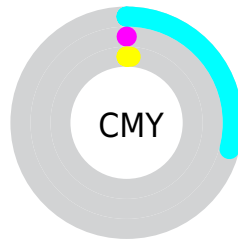
- Red (71%)
- Green (100%)
- Blue (99%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1531, 88.2516, 105.3268 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 72.1531, 88.2516, 105.3268 by changing the saturation by 10% instead.





 72.1531, 88.2516,  
105.3268

 72.1531, 88.2516,  
105.3268


457.2237,  
522.3268, 598.5311

 53.5697, 66.5315,  
80.1150


 121.2838,  
144.9074, 170.5738

 38.4870, 48.7040,  
59.2863


152.5618,  
180.6118, 211.4462

 26.5398, 34.3847,  
42.4221

188.8020,  
221.7465, 258.3757

 17.3627, 23.1893,  
29.1039

230.3697,  
268.6957, 311.7811

 10.5903, 14.7333,  
18.9132

277.6304,  
321.8440, 372.0807

 5.8573, 8.6325,  
11.4314

330.9494,

 2.7984, 4.5022,

381.5757, 439.6933

6.2400

390.6920,  
448.2752, 515.0372

■ 1.0480, 1.9583,  
2.9204

■ 0.0000, 0.5831,  
1.0541

■ 72.1531, 88.2516,  
105.3268

■ 72.1531, 88.2516,  
105.3268

■ 66.5922, 85.4034,  
104.2268

■ 78.8089, 91.6640,  
106.4854

■ 62.0633, 83.0872,  
103.1782

■ 86.6120, 95.6679,  
107.7009

■ 58.5015, 81.2694,  
102.1794

95.0500, 100.0000,  
108.9000

■ 55.8336, 79.9124,  
101.2269

■ 53.9760, 78.9730,  
100.3168

■ 52.8290, 78.3998,  
99.4445

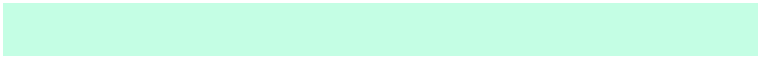
■ 52.2397, 78.1141,  
98.6027

■ 52.2117, 78.1007,  
98.5536

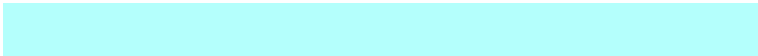
# Harmonies

## Analogous

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



72.2321, 88.2516, 86.5384



72.1531, 88.2516, 105.3268



75.0993, 88.2516, 123.7923

# Triad

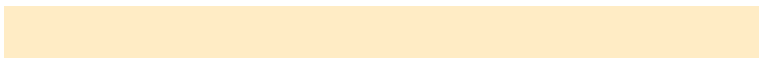
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1531, 88.2516, 105.3268



93.0649, 88.2516, 124.6029



87.3806, 88.2516, 65.1408

# Complementary

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



72.1531, 88.2516, 105.3268



66.1094, 57.3229, 52.3808

# 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.



93.3208, 88.2516, 72.8650



72.1531, 88.2516, 105.3268



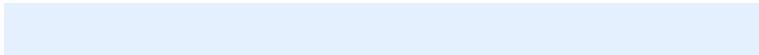
96.7184, 88.2516, 106.3219

# Square

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



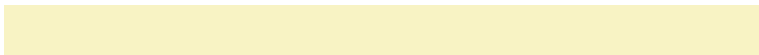
72.1531, 88.2516, 105.3268



87.0463, 88.2516, 135.8722



96.8144, 88.2516, 87.4115

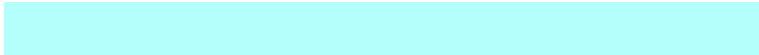


80.7924, 88.2516, 64.9481



# Rectangle

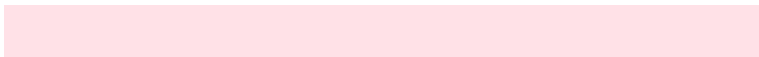
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.1531, 88.2516, 105.3268



78.4765, 88.2516, 132.7479



96.8144, 88.2516, 87.4115



89.5271, 88.2516, 66.8920

# Sweetspot

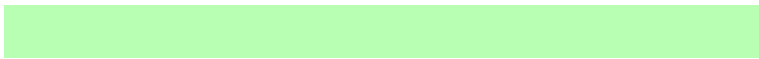
The Sweet Spot groups the original color and five complimentary colors.



72.1541, 88.2521, 105.3283



86.9576, 95.8452, 107.7520



63.7067, 84.9753, 56.2260



18.3522, 20.3812, 23.0246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

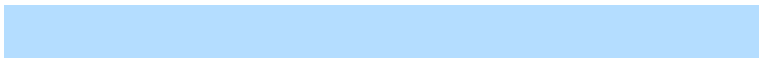
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1541, 88.2521, 105.3283



68.9143, 86.5923, 104.7059



62.7961, 68.7695, 104.5719



18.5216, 20.4682, 23.0499



27.2956, 40.8148, 51.5695



2.6671, 3.9778, 5.0706



# Inverse Universe

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



66.1094, 57.3229, 52.3808



62.0222, 51.3182, 44.3294



73.4624, 72.5231, 53.3083



18.0388, 17.9988, 18.8215



21.5907, 11.1256, 1.2291

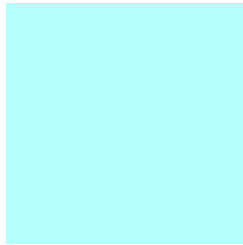


2.1121, 1.0872, 0.1717



# Previews

## White Background



This preview shows how the XYZ color 72.1531, 88.2516, 105.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

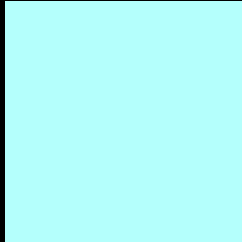
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1531, 88.2516, 105.3268 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

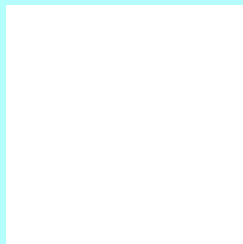
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.1531, 88.2516, 105.3268

## Background



This preview shows how black text looks on a background with the XYZ color 72.1531, 88.2516, 105.3268.



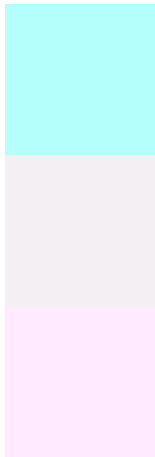
This preview shows how white text looks on a background with the XYZ color 72.1531, 88.2516,



# 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

72.1531, 88.2516, 105.3268

### Protanopia

84.3524, 87.4372, 97.2252

### Deuteranopia

88.7128, 87.3256, 106.7876



## **Tritanopia**

79.9192, 88.0370, 107.3884

# Trichromacy



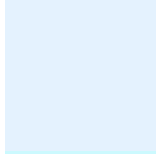
## Original Color

72.1531, 88.2516, 105.3268



## Protanomaly

79.1058, 87.3308, 99.8760



## Deuteranomaly

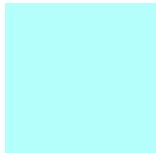
81.6364, 87.1540, 106.2856



## Tritanomaly

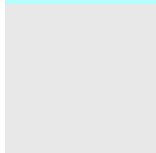
76.6669, 87.7445, 106.6615

# Monochromacy



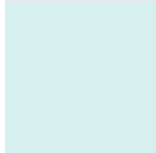
## Original Color

72.1531, 88.2516, 105.3268



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.1806, 82.6983, 93.7140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1531, 88.2516, 105.3268 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(180, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 252)  
}
```

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(180, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1531, 88.2516, 105.3268 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(180, 255, 252) }
```



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

```
.border{ border-color:rgb(180, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1531, 88.2516, 105.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 252) }
```

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

```
.background{ background-color: rgb(180,  
255, 252) }
```

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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