

# Converting Colors

XYZ(79.7891, 90.6948,  
128.1281)

Have a look what the booklet for  
XYZ(79.7891, 90.6948, 128.1281)  
contains.

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# Color

**XYZ(75.9402, 89.2063,  
107.8238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FDFF
RGB	196, 253, 255
RGB Percent	77%, 99%, 100%
CMY	0.2314, 0.0078, 0.0000
CMYK	0.23, 0.01, 0.00, 0.00
HSL	182°, 100%, 88%
HSV	182°, 23%, 100%
XYZ	75.9402, 89.2063, 107.8238
YIQ	236.1850, -34.6140, -11.4620

# Conversions

## Conversions Part 2

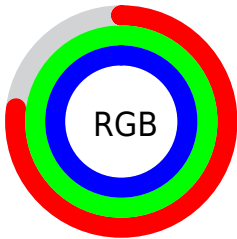
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 225, 255
Decimal	12910079
CIE Lab	95.67, -17.36, -6.82
CIE LCh	96, 18.653, 201.449
Yxy	89.2063, 0.2782, 0.3268
Android (android.graphics.Color)	4291100159 (0xFFC4FDFF)
YUV	236.1850, 9.2758, -35.2422
Hunter-Lab	94.4491, -21.7660, -1.5716

# Details

The XYZ color **75.9402, 89.2063, 107.8238** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3977, 65.6329, 61.1316**, and the grayscale version is **79.8226, 83.9796, 91.4538**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **40.9175, 49.2198, 60.7699** is the 20% darker color. If you saturate the color by 10%, you get **69.5917, 85.5326, 107.4493**, and if you desaturate by 10%, it is **83.4218, 93.4706, 108.2526**.

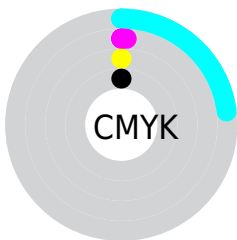
# Distribution



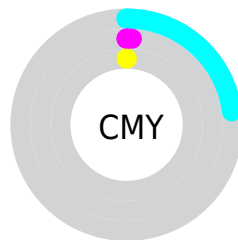
- Red (77%)
- Green (99%)
- Blue (100%)



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



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9402, 89.2063, 107.8238 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 75.9402, 89.2063, 107.8238 by changing the saturation by 10% instead.



75.9402, 89.2063,  
107.8238

75.9402, 89.2063,  
107.8238

470.0905,  
525.4456, 606.4554

56.6804, 67.3225,  
82.1972

126.6232,  
146.2354, 174.0134

40.9878, 49.3468,  
60.9913

158.7770,  
182.1496, 215.4134

28.4972, 34.8947,  
43.7877

195.9596,  
223.5093, 262.9083

18.8431, 23.5817,  
30.1676

238.5362,  
270.6990, 316.9167

11.6603, 15.0236,  
19.7127

286.8723,  
324.1031, 377.8571

6.5834, 8.8360,  
12.0044

341.3331,

3.2469, 4.6344,

384.1060, 446.1479

6.6241

402.2841,  
451.0920, 522.2078

■ 1.2857, 2.0344,  
3.1533

■ 0.1724, 0.6273,  
1.1734

■ 75.9402, 89.2063,  
107.8238

■ 75.9402, 89.2063,  
107.8238

■ 69.5917, 85.5326,  
107.4493

■ 83.4218, 93.4706,  
108.2526

■ 64.3124, 82.4096,  
107.1248

■ 92.0826, 98.3422,  
108.7364

■ 60.0426, 79.8089,  
106.8478

■ 95.0500, 100.0000,  
108.9000

■ 56.7141, 77.6952,  
106.6153

■ 54.2501, 76.0290,  
106.4235

■ 52.5618, 74.7646,  
106.2685

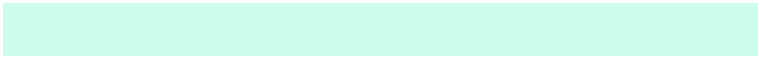
■ 51.5415, 73.8462,  
106.1450

■ 51.1205, 73.3610,  
106.0735

# Harmonies

## Analogous

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



75.4089, 89.2063, 92.9931



75.9402, 89.2063, 107.8238



78.7919, 89.2063, 120.9235

# Triad

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



75.9402, 89.2063, 107.8238



92.7329, 89.2063, 115.8078



86.2620, 89.2063, 71.8028

# Complementary

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



75.9402, 89.2063, 107.8238



71.3977, 65.6329, 61.1316

# 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.



91.0807, 89.2063, 76.6831



75.9402, 89.2063, 107.8238



94.9140, 89.2063, 101.3888

# Square

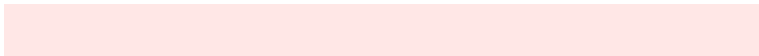
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9402, 89.2063, 107.8238



88.4438, 89.2063, 125.8466



94.2975, 89.2063, 87.1686



81.2342, 89.2063, 73.1531

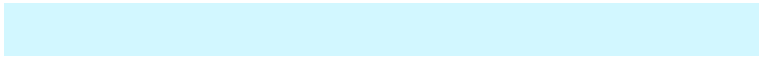


# Rectangle

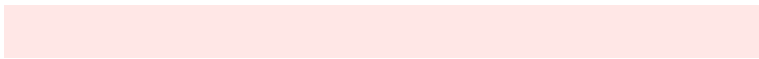
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9402, 89.2063, 107.8238



81.6903, 89.2063, 126.4279



94.2975, 89.2063, 87.1686



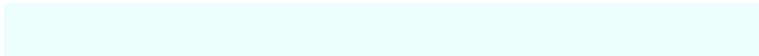
87.9628, 89.2063, 72.7496

# Sweetspot

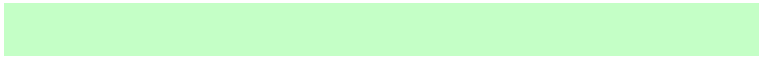
The Sweet Spot groups the original color and five complimentary colors.



75.9425, 89.2098, 107.8244



88.5929, 96.3858, 108.5427



68.7152, 87.3320, 66.6427



18.8494, 20.5669, 23.2263



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.



75.9425, 89.2098, 107.8244



72.7160, 87.3501, 107.6355



67.3465, 72.0178, 104.9590



18.4991, 20.3698, 23.2067



26.7350, 38.3796, 55.4335



2.6190, 3.7686, 5.4027



# Inverse Universe

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



78.7110, 67.8333, 101.8772



75.9612, 62.4405, 100.6313



78.8014, 80.4402, 63.5995



18.7646, 18.2891, 22.6434



30.2828, 14.6024, 47.0012

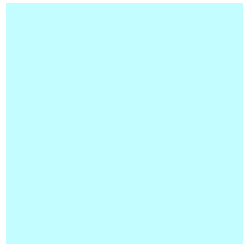


2.9565, 1.4250, 4.6185



# Previews

## White Background



This preview shows how the XYZ color 75.9402, 89.2063, 107.8238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

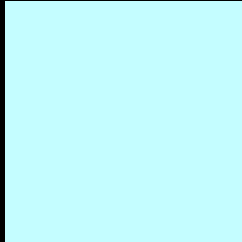
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9402, 89.2063, 107.8238 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 75.9402, 89.2063, 107.8238

## Background



This preview shows how black text looks on a background with the XYZ color 75.9402, 89.2063, 107.8238.



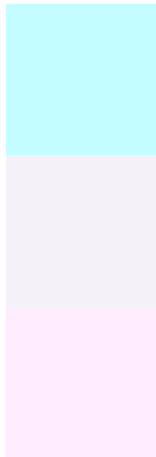
This preview shows how white text looks on a background with the XYZ color 75.9402, 89.2063,



# 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

75.9402, 89.2063, 107.8238

### Protanopia

85.7068, 88.9210, 101.4532

### Deuteranopia

88.9185, 88.2817, 106.9613



## Tritanopia

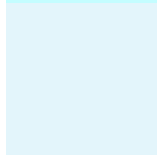
81.7462, 88.9788, 107.4739

# Trichromacy



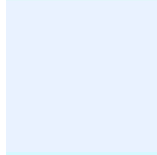
## Original Color

75.9402, 89.2063, 107.8238



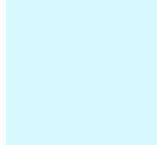
## Protanomaly

81.7435, 88.6007, 104.0601



## Deuteranomaly

83.4064, 88.0479, 107.2067



## Tritanomaly

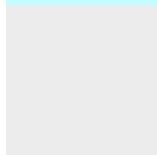
79.6572, 89.2675, 107.6397

# Monochromacy



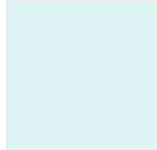
## Original Color

75.9402, 89.2063, 107.8238



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.7486, 85.3475, 97.1699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9402, 89.2063, 107.8238 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 253, 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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9402, 89.2063, 107.8238 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, 253, 255) }
```



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

```
.border{ border-color:rgb(196, 253, 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, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 253, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 253, 255); box-shadow:4px 4px 4px 4px rgb(196, 253, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9402, 89.2063, 107.8238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 253, 255) }
```

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

```
.background{ background-color: rgb(196,  
253, 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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