

# Converting Colors

XYZ(77.4442, 84.4265,  
107.7255)

Have a look what the booklet for  
XYZ(77.4442, 84.4265, 107.7255)  
contains.

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# Color

**XYZ(77.2369, 84.4267,  
106.8329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F1FF
RGB	214, 241, 255
RGB Percent	84%, 95%, 100%
CMY	0.1608, 0.0549, 0.0000
CMYK	0.16, 0.05, 0.00, 0.00
HSL	200°, 100%, 92%
HSV	200°, 16%, 100%
XYZ	77.2369, 84.4267, 106.8329
YIQ	234.5230, -20.5860, -1.3700

# Conversions

## Conversions Part 2

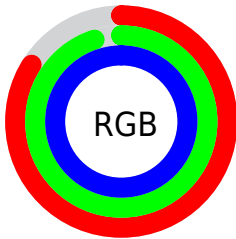
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 230, 255
Decimal	14086655
CIE <sub>Lab</sub>	93.64, -5.98, -9.71
CIE <sub>LCh</sub>	94, 11.404, 238.371
Yxy	84.4267, 0.2877, 0.3144
Android (android.graphics.Color)	4292276735 (0xFFD6F1FF)
YUV	234.5230, 10.0952, -17.9987
Hunter-Lab	91.8840, -10.7514, -4.6173

# Details

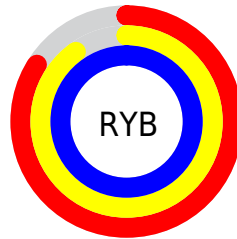
The XYZ color **77.2369, 84.4267, 106.8329** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.1208, 81.6008, 75.0952**, and the grayscale version is **78.5420, 82.6323, 89.9866**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8401, 46.1461, 60.1280** is the 20% darker color. If you saturate the color by 10%, you get **67.8543, 75.8577, 105.6734**, and if you desaturate by 10%, it is **87.9121, 93.8493, 108.0890**.

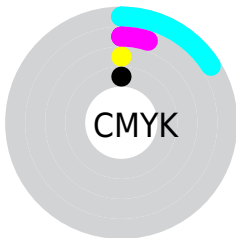
# Distribution



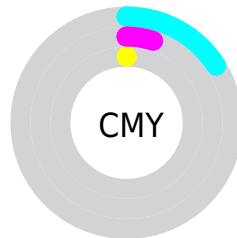
- Red (84%)
- Green (95%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2369, 84.4267, 106.8329 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 77.2369, 84.4267, 106.8329 by changing the saturation by 10% instead.



■ 77.2369, 84.4267,  
106.8329

■ 77.2369, 84.4267,  
106.8329

474.4509,  
509.7291, 603.3172

■ 57.7479, 63.3678,  
81.3705

128.4449,  
139.5719, 172.6494

■ 41.8485, 46.1388,  
60.3140

160.8946,  
174.4270, 213.8406

■ 29.1733, 32.3554,  
43.2448

198.3954,  
214.6496, 261.1118

■ 19.3569, 21.6331,  
29.7445

241.3124,  
260.6241, 314.8816

■ 12.0340, 13.5875,  
19.3943

290.0111,  
312.7349, 375.5685

■ 6.8392, 7.8344,  
11.7758

344.8569,

■ 3.4072, 3.9891,

371.3664, 443.5910

6.4706

406.2150,  
436.9030, 519.3678

■ 1.3726, 1.6675,  
3.0599

■ 0.2365, 0.4025,  
1.1253

■ 77.2369, 84.4267,  
106.8329

■ 77.2369, 84.4267,  
106.8329

■ 67.8543, 75.8577,  
105.6734

■ 87.9121, 93.8493,  
108.0890

■ 59.7018, 68.1008,  
104.6059

95.0500, 100.0000,  
108.9000

■ 52.7217, 61.1261,  
103.6275

■ 46.8485, 54.8970,  
102.7347

■ 42.0098, 49.3736,  
101.9236

■ 38.1241, 44.5111,  
101.1899

■ 35.0959, 40.2574,  
100.5284

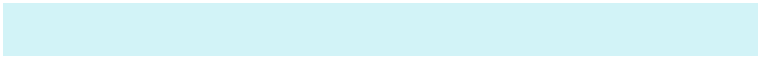
■ 32.8074, 36.5489,  
99.9333

■ 32.0437, 35.2074,  
99.7146

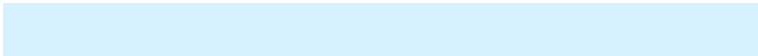
# Harmonies

## Analogous

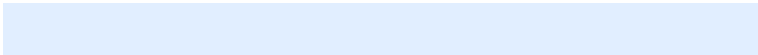
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2412, 84.4267, 100.0611



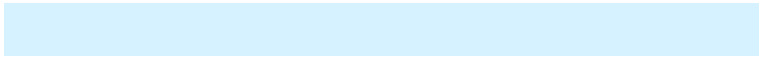
77.2369, 84.4267, 106.8329



80.0800, 84.4267, 109.5804

# Triad

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



77.2369, 84.4267, 106.8329



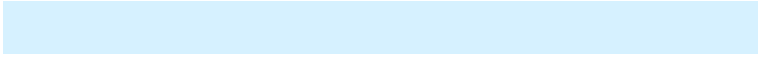
86.1933, 84.4267, 92.4001



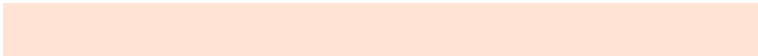
77.5161, 84.4267, 78.0504

# Complementary

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



77.2369, 84.4267, 106.8329



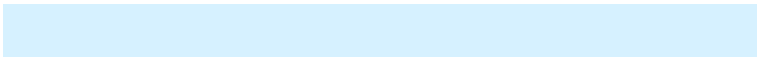
81.1208, 81.6008, 75.0952

# Split Complementary

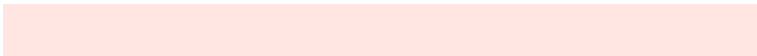
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4103, 84.4267, 76.2781



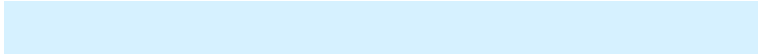
77.2369, 84.4267, 106.8329



85.4660, 84.4267, 84.2449

# Square

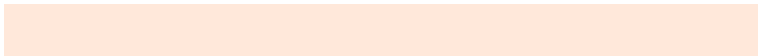
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



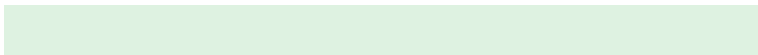
77.2369, 84.4267, 106.8329



85.2939, 84.4267, 100.9303



83.3303, 84.4267, 78.4752

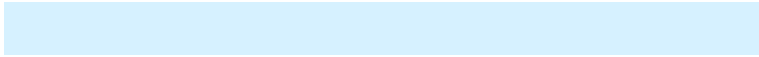


75.3995, 84.4267, 83.4744



# Rectangle

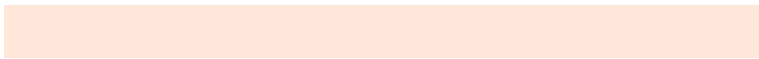
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2369, 84.4267, 106.8329



82.0900, 84.4267, 108.6374



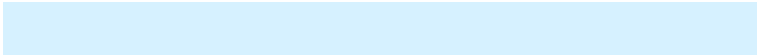
83.3303, 84.4267, 78.4752



78.4280, 84.4267, 77.0233

# Sweetspot

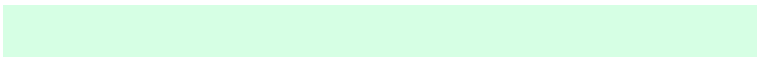
The Sweet Spot groups the original color and five complimentary colors.



77.2391, 84.4301, 106.8334



89.1410, 94.9159, 108.2301



77.4500, 91.3996, 86.7176



18.9079, 20.1668, 23.1460



0.0000, 0.0000, 0.0000

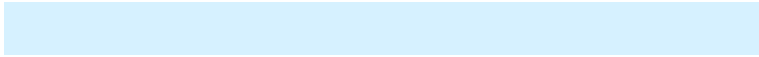


20.3446, 21.4041, 23.3091

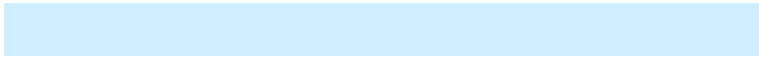


# Same Dimension

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



77.2391, 84.4301, 106.8334



74.3654, 81.8384, 106.4847



71.5955, 73.1427, 104.9522



18.0021, 19.3759, 23.0410



16.8877, 18.6850, 52.1511



1.7458, 2.0224, 5.1116



# Inverse Universe

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



81.1652, 75.7057, 93.5578



78.9444, 71.8681, 90.9554



86.9968, 93.3528, 77.0539



18.5137, 18.1888, 21.3224



25.3123, 12.6142, 20.8271

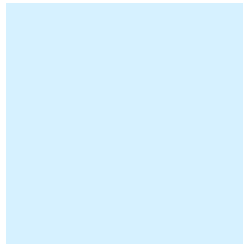


2.5158, 1.2487, 2.2978



# Previews

## White Background



This preview shows how the XYZ color 77.2369, 84.4267, 106.8329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

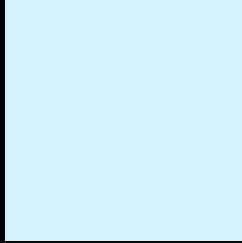
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2369, 84.4267, 106.8329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

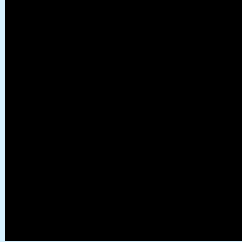
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

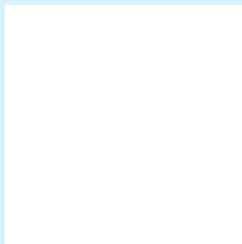
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.2369, 84.4267, 106.8329**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2369, 84.4267, 106.8329.



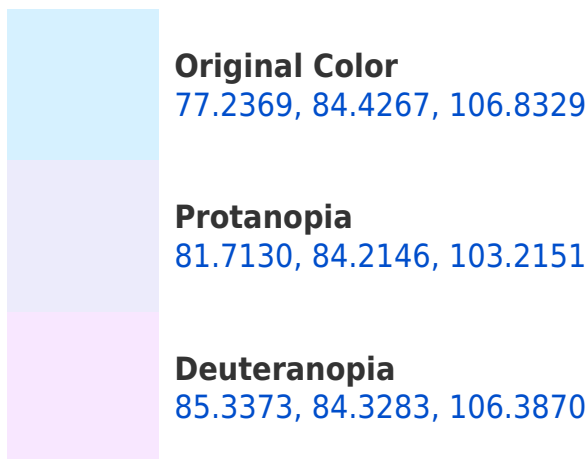
This preview shows how white text looks on a background with the XYZ color 77.2369, 84.4267,



# 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

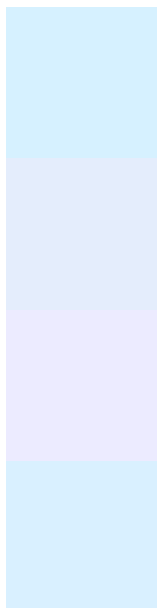




## **Tritanopia**

78.4235, 84.6002, 106.8039

# Trichromacy



## Original Color

77.2369, 84.4267, 106.8329

## Protanomaly

79.8498, 84.0906, 104.1180

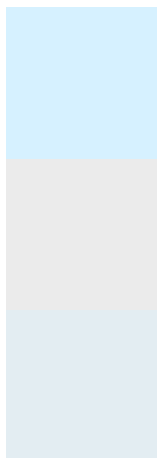
## Deuteranomaly

82.3504, 84.4695, 106.5717

## Tritanomaly

77.8254, 84.2919, 106.7759

# Monochromacy



## Original Color

77.2369, 84.4267, 106.8329

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.9898, 83.3101, 95.9744

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2369, 84.4267, 106.8329 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(214, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 241, 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(214, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 241, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2369, 84.4267, 106.8329 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(214, 241, 255) }
```



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

```
.border{ border-color:rgb(214, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 241,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2369, 84.4267, 106.8329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 241, 255) }
```

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

```
.background{ background-color: rgb(214,  
241, 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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