

# Converting Colors

XYZ(77.0528, 85.0695,  
106.9667)

Have a look what the booklet for  
XYZ(77.0528, 85.0695, 106.9667)  
contains.

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# **Color**

**XYZ(77.2520, 85.3182,  
107.0042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F3FF
RGB	212, 243, 255
RGB Percent	83%, 95%, 100%
CMY	0.1686, 0.0470, 0.0000
CMYK	0.17, 0.05, 0.00, 0.00
HSL	197°, 100%, 92%
HSV	197°, 17%, 100%
XYZ	77.2520, 85.3182, 107.0042
YIQ	235.0990, -22.3280, -2.8400

# Conversions

## Conversions Part 2

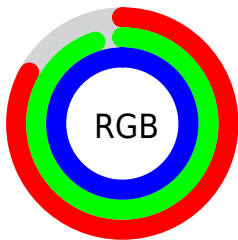
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 230, 255
Decimal	13956095
CIE <sub>Lab</sub>	94.02, -7.61, -9.15
CIE <sub>LCh</sub>	94, 11.902, 230.269
Yxy	85.3182, 0.2866, 0.3165
Android (android.graphics.Color)	4292146175 (0xFFD4F3FF)
YUV	235.0990, 9.8112, -20.2578
Hunter-Lab	92.3679, -12.3550, -4.0274

# Details

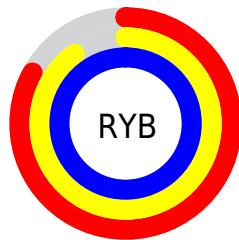
The XYZ color **77.2520, 85.3182, 107.0042** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.7791, 79.3237, 73.3954**, and the grayscale version is **78.9828, 83.0960, 90.4916**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8680, 46.7860, 60.2500** is the 20% darker color. If you saturate the color by 10%, you get **68.3862, 77.6504, 105.9914**, and if you desaturate by 10%, it is **87.3657, 93.7562, 108.0998**.

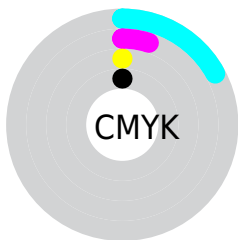
# Distribution



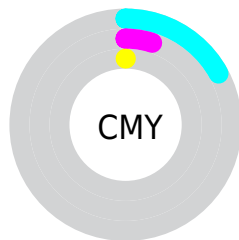
- Red (83%)
- Green (95%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2520, 85.3182, 107.0042 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 77.2520, 85.3182, 107.0042 by changing the saturation by 10% instead.



77.2520, 85.3182,  
107.0042

77.2520, 85.3182,  
107.0042

474.5016,  
512.6804, 603.8603

57.7604, 64.1043,  
81.5134

128.4661,  
140.8177, 172.8853

41.8585, 46.7352,  
60.4311

160.9193,  
175.8721, 214.1126

29.1812, 32.8264,  
43.3386

198.4237,  
216.3087, 261.4226

19.3629, 21.9935,  
29.8175

241.3447,  
262.5121, 315.2337

12.0383, 13.8521,  
19.4492

290.0476,  
314.8666, 375.9645

6.8422, 8.0179,  
11.8152

344.8978,

3.4090, 4.1064,

373.7565, 444.0335

6.4970

406.2607,  
439.5663, 519.8593

■ 1.3736, 1.7332,  
3.0759

■ 0.2373, 0.4450,  
1.1335

■ 77.2520, 85.3182,  
107.0042

■ 77.2520, 85.3182,  
107.0042

■ 68.3862, 77.6504,  
105.9914

■ 87.3657, 93.7562,  
108.0998

■ 60.7062, 70.7129,  
105.0571

95.0500, 100.0000,  
108.9000

■ 54.1548, 64.4767,  
104.1987

■ 48.6667, 58.9071,  
103.4129

■ 44.1699, 53.9653,  
102.6961

■ 40.5828, 49.6079,  
102.0441

■ 37.8095, 45.7838,  
101.4521

■ 35.7290, 42.4294,  
100.9143

■ 35.1619, 41.4437,  
100.7540

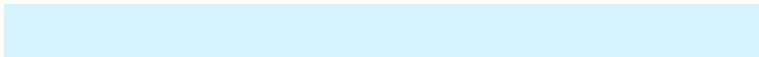
# Harmonies

## Analogous

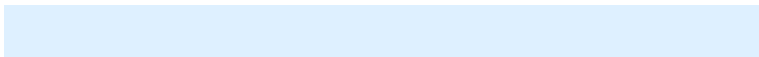
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4986, 85.3182, 99.0873



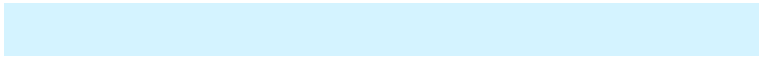
77.2520, 85.3182, 107.0042



80.0648, 85.3182, 111.2194

# Triad

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



77.2520, 85.3182, 107.0042



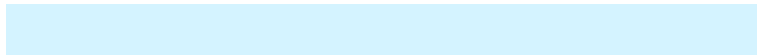
87.2603, 85.3182, 95.8841



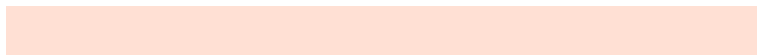
78.9956, 85.3182, 77.4401

# Complementary

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



77.2520, 85.3182, 107.0042



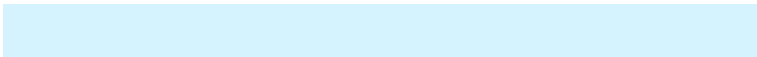
79.7791, 79.3237, 73.3954

# 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.



82.1288, 85.3182, 76.7062



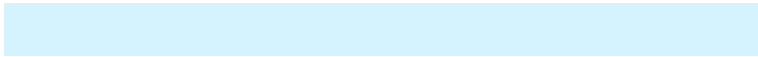
77.2520, 85.3182, 107.0042



86.9559, 85.3182, 86.9700

# Square

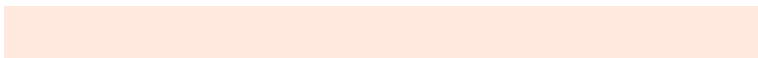
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2520, 85.3182, 107.0042



85.8792, 85.3182, 104.5282



85.0580, 85.3182, 80.0876

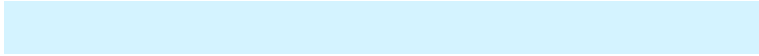


76.4868, 85.3182, 82.1623



# Rectangle

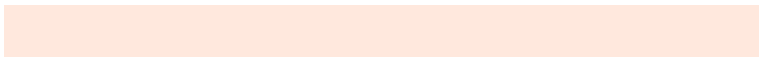
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2520, 85.3182, 107.0042



82.1857, 85.3182, 111.1873



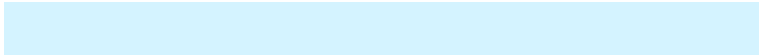
85.0580, 85.3182, 80.0876



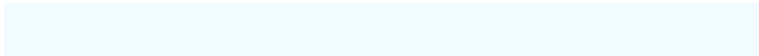
80.0088, 85.3182, 76.7313

# Sweetspot

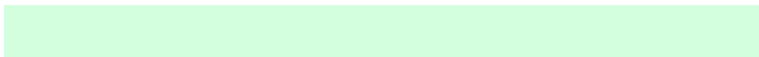
The Sweet Spot groups the original color and five complimentary colors.



77.2542, 85.3216, 107.0047



89.3896, 95.4131, 108.3130



76.2947, 90.8705, 83.6624



18.9684, 20.2878, 23.1661



0.0000, 0.0000, 0.0000

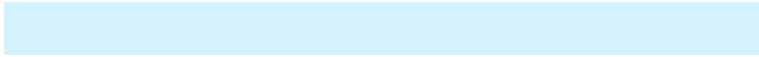


20.3446, 21.4041, 23.3091

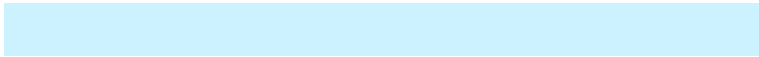


# Same Dimension

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



77.2542, 85.3216, 107.0047



74.3398, 82.8333, 106.6780



71.3329, 73.4788, 105.0309



18.1014, 19.5743, 23.0741



18.5052, 21.9199, 52.6902



1.8940, 2.3186, 5.1610



# Inverse Universe

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



80.9626, 74.8197, 94.9724



78.6761, 70.7830, 92.5568



85.7665, 91.2986, 75.3912



18.5638, 18.2088, 21.5862



26.1287, 12.9408, 25.1262

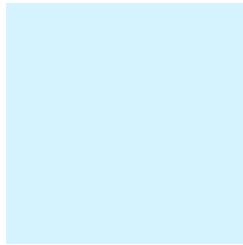


2.5906, 1.2786, 2.6915



# Previews

## White Background



This preview shows how the XYZ color 77.2520, 85.3182, 107.0042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

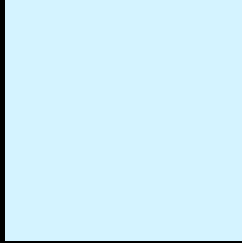
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2520, 85.3182, 107.0042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

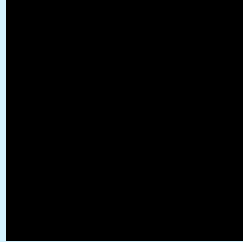
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.2520, 85.3182, 107.0042

## Background



This preview shows how black text looks on a background with the XYZ color 77.2520, 85.3182, 107.0042.



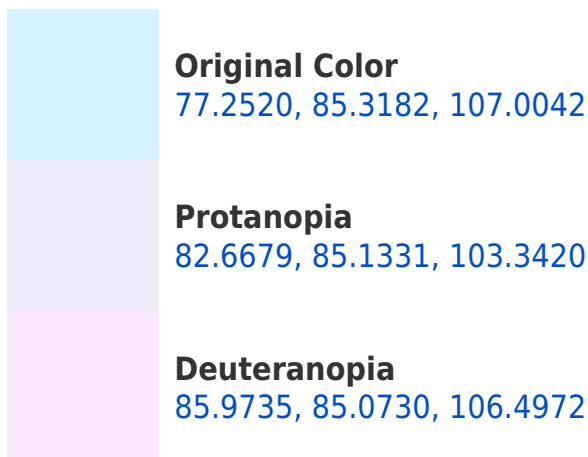
This preview shows how white text looks on a background with the XYZ color 77.2520, 85.3182,



# 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

79.0205, 85.3462, 106.9164

# Trichromacy



## Original Color

77.2520, 85.3182, 107.0042

## Protanomaly

80.7503, 85.4193, 104.3270

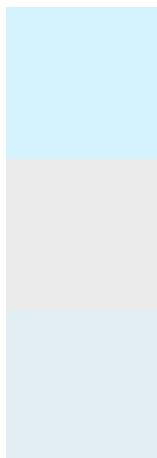
## Deuteranomaly

82.6375, 85.0438, 106.6674

## Tritanomaly

78.4174, 85.4760, 106.9732

# Monochromacy



## Original Color

77.2520, 85.3182, 107.0042

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.2801, 83.8908, 96.0711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2520, 85.3182, 107.0042 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(212, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 243, 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(212, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 243, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2520, 85.3182, 107.0042 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(212, 243, 255) }
```



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

```
.border{ border-color:rgb(212, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2520, 85.3182, 107.0042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 243, 255) }
```

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

```
.background{ background-color: rgb(212,  
243, 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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