

# Converting Colors

XYZ(77.5400, 87.3766,  
107.3863)

Have a look what the booklet for  
XYZ(77.5400, 87.3766, 107.3863)  
contains.

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# Color

**XYZ(77.6053, 87.2968,  
107.3675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F7FF
RGB	209, 247, 255
RGB Percent	82%, 97%, 100%
CMY	0.1804, 0.0314, 0.0000
CMYK	0.18, 0.03, 0.00, 0.00
HSL	190°, 100%, 91%
HSV	190°, 18%, 100%
XYZ	77.6053, 87.2968, 107.3675
YIQ	236.5500, -25.2160, -5.5680

# Conversions

## Conversions Part 2

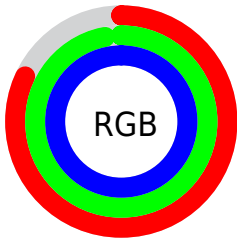
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 230, 255
Decimal	13760511
CIE Lab	94.86, -10.54, -7.92
CIE LCh	95, 13.182, 216.944
Yxy	87.2968, 0.2850, 0.3206
Android (android.graphics.Color)	4291950591 (0xFFD1F7FF)
YUV	236.5500, 9.0958, -24.1614
Hunter-Lab	93.4328, -15.2451, -2.7297

# Details

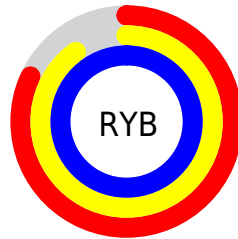
The XYZ color **77.6053, 87.2968, 107.3675** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5613, 75.4882, 70.8062**, and the grayscale version is **80.0986, 84.2700, 91.7700**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1503, 48.2088, 60.5098** is the 20% darker color. If you saturate the color by 10%, you get **69.6211, 81.1947, 106.6105**, and if you desaturate by 10%, it is **86.7810, 94.0655, 108.1904**.

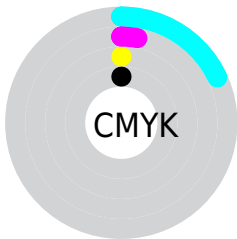
# Distribution



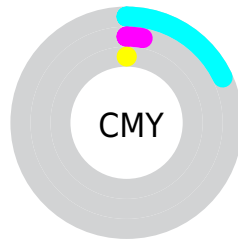
- Red (82%)
- Green (97%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- Blue (100%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6053, 87.2968, 107.3675 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 77.6053, 87.2968, 107.3675 by changing the saturation by 10% instead.



77.6053, 87.2968,  
107.3675

77.6053, 87.2968,  
107.3675

475.6857,  
519.1976, 605.0113

58.0515, 65.7409,  
81.8165

128.9619,  
143.5778, 173.3854

42.0934, 48.0621,  
60.6793

161.4953,  
179.0716, 214.6894

29.3659, 33.8760,  
43.5376

199.0860,  
219.9801, 262.0814

19.5035, 22.7984,  
29.9726

242.0993,  
266.6878, 315.9800

12.1408, 14.4447,  
19.5659

290.9006,  
319.5790, 376.8038

6.9125, 8.4306,  
11.8990

345.8552,

3.4533, 4.3717,

379.0381, 444.9712

6.5532

407.3284,  
445.4495, 520.9009

■ 1.3978, 1.8836,  
3.1101

■ 0.2546, 0.5385,  
1.1511

■ 77.6053, 87.2968,  
107.3675

■ 77.6053, 87.2968,  
107.3675

■ 69.6211, 81.1947,  
106.6105

■ 86.7810, 94.0655,  
108.1904

■ 62.7665, 75.7202,  
105.9151

95.0500, 100.0000,  
108.9000

■ 56.9843, 70.8457,  
105.2789

■ 52.2094, 66.5373,  
104.6990

■ 48.3695, 62.7574,  
104.1718

■ 45.3823, 59.4633,  
103.6934

■ 43.1506, 56.6045,  
103.2592

■ 41.5429, 54.1128,  
102.8630

■ 41.2641, 53.6481,  
102.7880

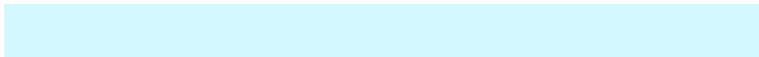
# Harmonies

## Analogous

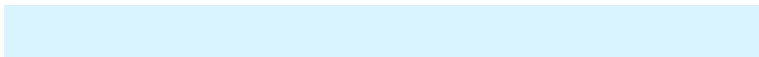
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3419, 87.2968, 97.4489



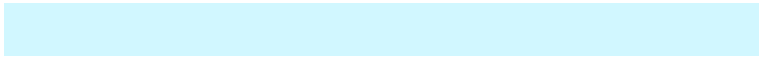
77.6053, 87.2968, 107.3675



80.3129, 87.2968, 114.3181

# Triad

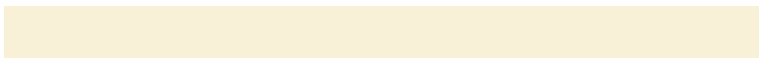
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6053, 87.2968, 107.3675



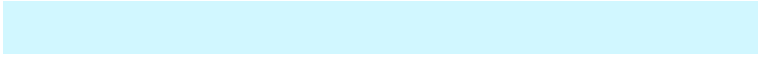
89.4527, 87.2968, 102.9625



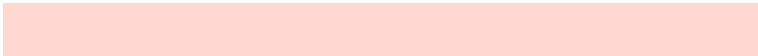
82.1456, 87.2968, 76.8365

# Complementary

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



77.6053, 87.2968, 107.3675



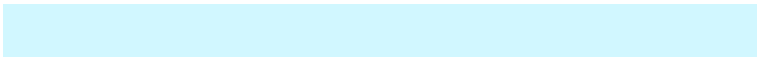
77.5613, 75.4882, 70.8062

# 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.



85.6912, 87.2968, 78.0810



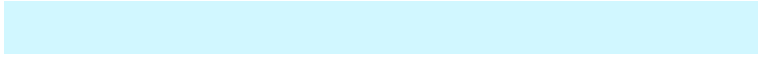
77.6053, 87.2968, 107.3675



89.9774, 87.2968, 92.6935

# Square

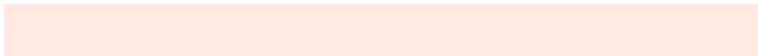
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6053, 87.2968, 107.3675



87.1688, 87.2968, 111.6501



88.5827, 87.2968, 83.7151

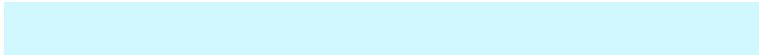


78.9140, 87.2968, 80.1851

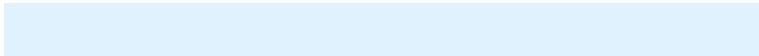


# Rectangle

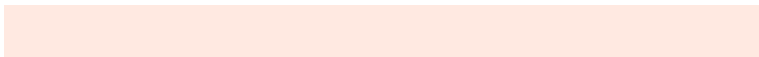
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



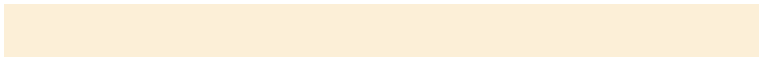
77.6053, 87.2968, 107.3675



82.6075, 87.2968, 116.0717



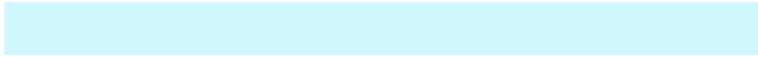
88.5827, 87.2968, 83.7151



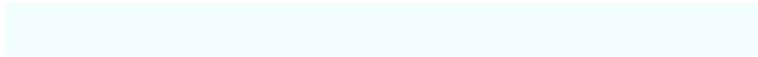
83.3395, 87.2968, 76.7356

# Sweetspot

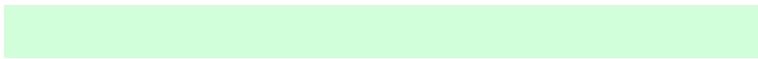
The Sweet Spot groups the original color and five complimentary colors.



77.6076, 87.3003, 107.3680



89.8109, 96.2557, 108.4534



74.5367, 90.0683, 78.8766



19.0710, 20.4930, 23.2003



0.0000, 0.0000, 0.0000

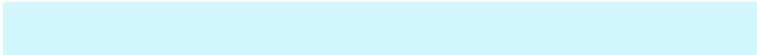


20.3446, 21.4041, 23.3091

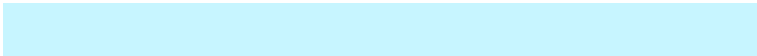


# Same Dimension

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



77.6076, 87.3003, 107.3680



74.3044, 84.8040, 107.0603



71.0912, 74.2674, 105.1959



18.2704, 19.9125, 23.1305



21.6597, 28.2289, 53.7417



2.1764, 2.8835, 5.2551



# Inverse Universe

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



80.8304, 73.5780, 97.9414



78.1599, 68.6686, 95.7205



83.8113, 87.9882, 72.8896



18.6492, 18.2430, 22.0356



27.7210, 13.5777, 33.5109

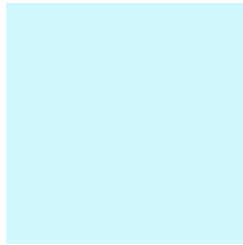


2.7331, 1.3356, 3.4422



# Previews

## White Background



This preview shows how the XYZ color 77.6053, 87.2968, 107.3675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

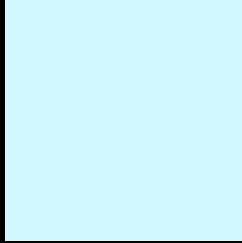
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6053, 87.2968, 107.3675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

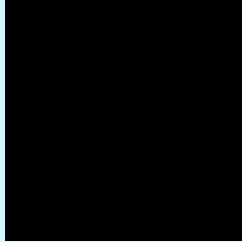
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.6053, 87.2968, 107.3675

## Background



This preview shows how black text looks on a background with the XYZ color 77.6053, 87.2968, 107.3675.



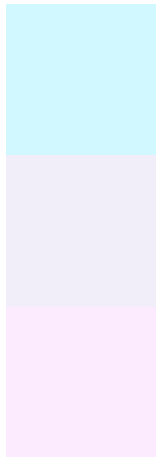
This preview shows how white text looks on a background with the XYZ color 77.6053, 87.2968,



# 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

77.6053, 87.2968, 107.3675

### Protanopia

84.1055, 86.7520, 102.7545

### Deuteranopia

87.6177, 86.7611, 106.7364



## **Tritanopia**

80.5320, 87.0092, 107.1577

# Trichromacy



## Original Color

77.6053, 87.2968, 107.3675

## Protanomaly

81.3391, 86.5969, 104.5233

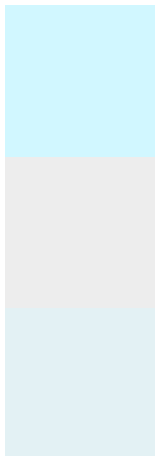
## Deuteranomaly

83.5086, 86.7859, 106.9577

## Tritanomaly

79.3141, 86.8268, 107.1867

# Monochromacy



## Original Color

77.6053, 87.2968, 107.3675

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.4630, 85.7731, 97.9557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6053, 87.2968, 107.3675 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(209, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 247, 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(209, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6053, 87.2968, 107.3675 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(209, 247, 255) }
```



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

```
.border{ border-color:rgb(209, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6053, 87.2968, 107.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 247, 255) }
```

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

```
.background{ background-color: rgb(209,  
247, 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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