

# Converting Colors

XYZ(77.2499, 88.2675,  
107.5736)

Have a look what the booklet for  
XYZ(77.2499, 88.2675, 107.5736)  
contains.

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# Color

**XYZ(77.4124, 88.5704,  
107.6235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>CDFAFF</code>
RGB	<code>205, 250, 255</code>
RGB Percent	<code>80%, 98%, 100%</code>
CMY	<code>0.1961, 0.0196, 0.0000</code>
CMYK	<code>0.20, 0.02, 0.00, 0.00</code>
HSL	<code>186°, 100%, 90%</code>
HSV	<code>186°, 20%, 100%</code>
XYZ	<code>77.4124, 88.5704, 107.6235</code>
YIQ	<code>237.1150, -28.4250, -7.9850</code>

# Conversions

## Conversions Part 2

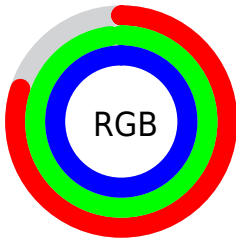
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 229, 255
Decimal	13499135
CIE Lab	95.40, -13.24, -7.16
CIE LCh	95, 15.046, 208.398
Yxy	88.5704, 0.2829, 0.3237
Android (android.graphics.Color)	4291689215 (0xFFCDDFAFF)
YUV	237.1150, 8.8173, -28.1649
Hunter-Lab	94.1118, -17.8692, -1.9240

# Details

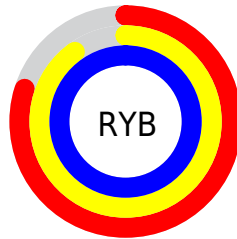
The XYZ color **77.4124, 88.5704, 107.6235** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.3056, 71.7597, 67.6411**, and the grayscale version is **80.5367, 84.7309, 92.2719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8407, 48.7012, 60.6211** is the 20% darker color. If you saturate the color by 10%, you get **70.1577, 83.6655, 107.0591**, and if you desaturate by 10%, it is **85.8288, 94.0947, 108.2462**.

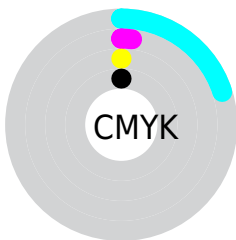
# Distribution



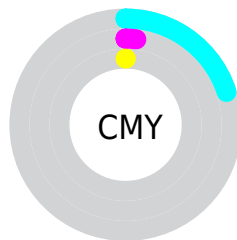
- Red (80%)
- Green (98%)
- Blue (100%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4124, 88.5704, 107.6235 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 77.4124, 88.5704, 107.6235 by changing the saturation by 10% instead.



77.4124, 88.5704,  
107.6235

77.4124, 88.5704,  
107.6235

475.0394,  
523.3694, 605.8217

57.8925, 66.7956,  
82.0301

128.6912,  
145.3510, 173.7377

41.9652, 48.9185,  
60.8544

161.1809,  
181.1256, 215.0956

29.2650, 34.5548,  
43.6778

198.7245,  
222.3355, 262.5454

19.4267, 23.3202,  
30.0820

241.6874,  
269.3652, 316.5056

12.0848, 14.8301,  
19.6482

290.4350,  
322.5990, 377.3948

6.8741, 8.7002,  
11.9581

345.3326,

3.4291, 4.5462,

382.4214, 445.6316

6.5929

406.7456,  
449.2167, 521.6343

■ 1.3845, 1.9835,  
3.1343

■ 0.2452, 0.5979,  
1.1636

■ 77.4124, 88.5704,  
107.6235

■ 77.4124, 88.5704,  
107.6235

■ 70.1577, 83.6655,  
107.0591

■ 85.8288, 94.0947,  
108.2462

■ 64.0021, 79.3408,  
106.5488

95.0500, 100.0000,  
108.9000

■ 58.8881, 75.5687,  
106.0902

■ 54.7495, 72.3152,  
105.6804

■ 51.5131, 69.5424,  
105.3157

■ 49.0946, 67.2068,  
104.9924

■ 47.3943, 65.2569,  
104.7056

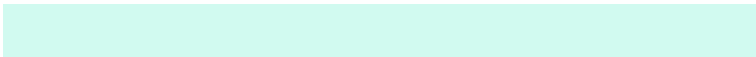
■ 46.2552, 63.6119,  
104.4482

■ 46.2149, 63.5498,  
104.4383

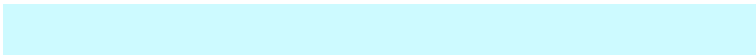
# Harmonies

## Analogous

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



76.5183, 88.5704, 95.8060



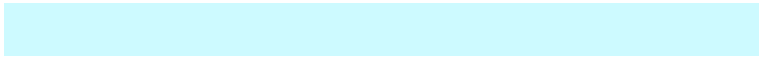
77.4124, 88.5704, 107.6235



80.1045, 88.5704, 117.0576

# Triad

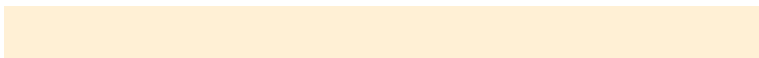
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4124, 88.5704, 107.6235



91.1050, 88.5704, 108.8083



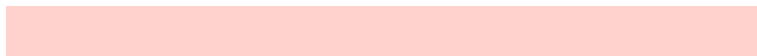
84.4049, 88.5704, 75.5109

# Complementary

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



77.4124, 88.5704, 107.6235



75.3056, 71.7597, 67.6411

# 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.



88.3987, 88.5704, 78.3944



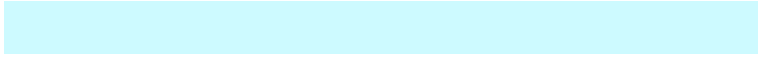
77.4124, 88.5704, 107.6235



92.3443, 88.5704, 97.0730

# Square

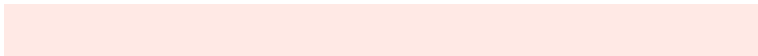
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4124, 88.5704, 107.6235



88.0035, 88.5704, 117.7799



91.3384, 88.5704, 86.0559



80.4757, 88.5704, 77.8439

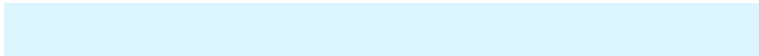


# Rectangle

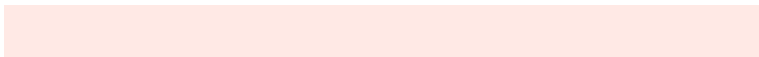
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



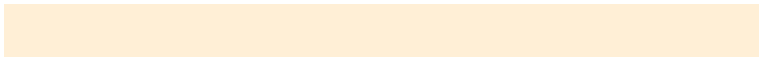
77.4124, 88.5704, 107.6235



82.6021, 88.5704, 120.3859



91.3384, 88.5704, 86.0559



85.7850, 88.5704, 75.8974

# Sweetspot

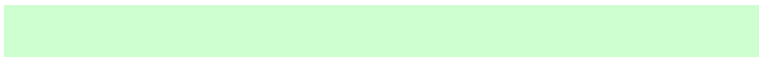
The Sweet Spot groups the original color and five complimentary colors.



77.4147, 88.5739, 107.6240



89.1577, 96.2414, 108.4851



72.4670, 89.1113, 73.8120



18.9519, 20.5151, 23.2109



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.



77.4147, 88.5739, 107.6240



74.0873, 86.3438, 107.3690



70.3789, 74.5023, 105.2788



18.3907, 20.1529, 23.1706



24.2115, 33.3325, 54.5923



2.4004, 3.3314, 5.3298



# Inverse Universe

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



80.3280, 71.8262, 100.0769



77.5684, 66.5871, 98.2937



81.7303, 84.6090, 69.7826



18.7098, 18.2672, 22.3551



29.0090, 14.0929, 40.2935



2.8462, 1.3809, 4.0375



# Previews

## White Background



This preview shows how the XYZ color 77.4124, 88.5704, 107.6235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

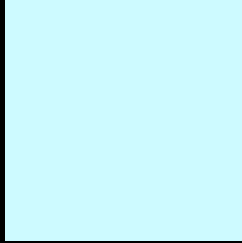
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4124, 88.5704, 107.6235 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 77.4124, 88.5704, 107.6235

## Background



This preview shows how black text looks on a background with the XYZ color 77.4124, 88.5704, 107.6235.



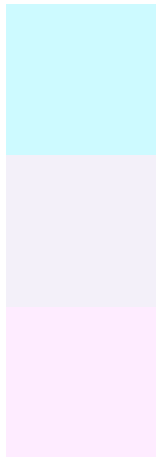
This preview shows how white text looks on a background with the XYZ color 77.4124, 88.5704,



# 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

77.4124, 88.5704, 107.6235

### Protanopia

85.2211, 88.2144, 102.1580

### Deuteranopia

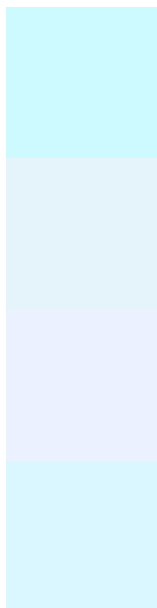
88.9185, 88.2817, 106.9613



## Tritanopia

81.7537, 88.5324, 107.3873

# Trichromacy



## Original Color

77.4124, 88.5704, 107.6235

## Protanomaly

82.0764, 88.3244, 103.9892

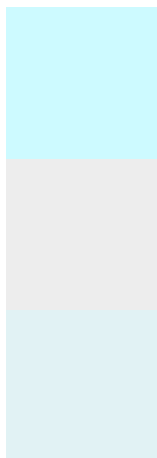
## Deuteranomaly

84.0974, 87.9635, 107.1540

## Tritanomaly

80.2242, 88.6470, 107.4900

# Monochromacy



## Original Color

77.4124, 88.5704, 107.6235

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.1326, 86.0435, 98.0253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4124, 88.5704, 107.6235 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(205, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 250, 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(205, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4124, 88.5704, 107.6235 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(205, 250, 255) }
```



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

```
.border{ border-color:rgb(205, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4124, 88.5704, 107.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 250, 255) }
```

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

```
.background{ background-color: rgb(205,  
250, 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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