

# Converting Colors

XYZ(78.8022, 87.4674,  
100.1354)

Have a look what the booklet for  
XYZ(78.8022, 87.4674, 100.1354)  
contains.

<b>XYZ(78.8037, 87.6254, 99.9488)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(78.8037, 87.6254,  
99.9488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF6F6
RGB	219, 246, 246
RGB Percent	86%, 96%, 96%
CMY	0.1412, 0.0353, 0.0353
CMYK	0.11, 0.00, 0.00, 0.04
HSL	180°, 60%, 91%
HSV	180°, 11%, 96%
XYZ	78.8037, 87.6254, 99.9488
YIQ	237.9270, -16.0920, -5.7240

# Conversions

## Conversions Part 2

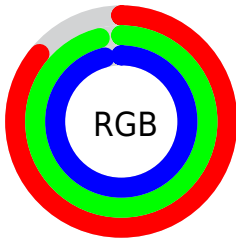
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 233, 246
Decimal	14415606
CIE Lab	95.00, -8.74, -2.99
CIE LCh	95, 9.238, 198.876
Yxy	87.6254, 0.2958, 0.3290
Android (android.graphics.Color)	4292605686 (0xFFDBF6F6)
YUV	237.9270, 3.9800, -16.5990
Hunter-Lab	93.6084, -13.5456, 2.2200

# Details

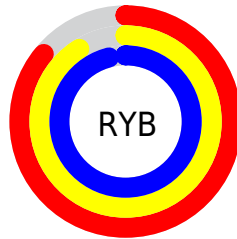
The XYZ color **78.8037, 87.6254, 99.9488** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1268, 75.3726, 77.5577**, and the grayscale version is **81.1927, 85.4211, 93.0235**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0176, 48.4371, 55.7972** is the 20% darker color. If you saturate the color by 10%, you get **71.9430, 84.0910, 99.6270**, and if you desaturate by 10%, it is **86.7631, 91.7310, 100.3257**.

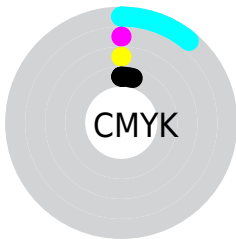
# Distribution



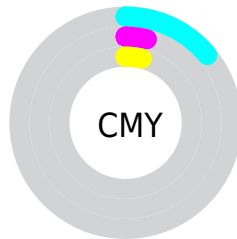
- Red (86%)
- Green (96%)
- Blue (96%)



- Red (86%)
- Yellow (91%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (14%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8037, 87.6254, 99.9488 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 78.8037, 87.6254, 99.9488 by changing the saturation by 10% instead.



78.8037, 87.6254,  
99.9488

78.8037, 87.6254,  
99.9488

479.6902,  
520.2757, 581.2738

59.0395, 66.0129,  
75.6411

130.6419,  
144.0355, 163.1381

42.8914, 48.2829,  
55.6334

163.4465,  
179.6019, 202.8568

29.9941, 34.0509,  
39.5070

201.3287,  
220.5884, 248.5496

19.9821, 22.9327,  
26.8435

244.6538,  
267.3793, 300.6350

12.4902, 14.5438,  
17.2244

293.7872,  
320.3591, 359.5316

7.1530, 8.4999,  
10.2309

349.0941,

3.6052, 4.4164,

379.9122, 425.6579

5.4447

410.9400,  
446.4229, 499.4324

■ 1.4813, 1.9091,  
2.4472

■ 0.3131, 0.5539,  
0.8120

■ 78.8037, 87.6254,  
99.9488

■ 78.8037, 87.6254,  
99.9488

■ 71.9430, 84.0910,  
99.6270

■ 86.7631, 91.7310,  
100.3257

■ 66.1258, 81.0922,  
99.3521


■ 90.8332, 93.8291,  
100.5188


■ 61.3031, 78.6061,  
99.1238


■ 90.8337, 93.8293,  
100.5214


■ 57.4194, 76.6040,  
98.9395

■ 90.8342, 93.8295,  
100.5240

 54.4135, 75.0545,  
98.7962


 90.8347, 93.8297,  
100.5267


 52.2171, 73.9222,  
98.6908


 90.8352, 93.8299,  
100.5293


 50.7517, 73.1668,  
98.6196

 90.8357, 93.8301,  
100.5319

 49.9235, 72.7399,  
98.5783

 90.8362, 93.8303,  
100.5345

 49.5878, 72.5669,  
98.5602

 90.8367, 93.8305,  
100.5372

# Harmonies

## Analogous

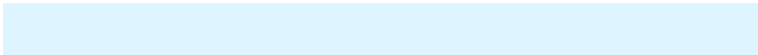
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6411, 87.6254, 92.7684



78.8037, 87.6254, 99.9488



80.1528, 87.6254, 106.1990

# Triad

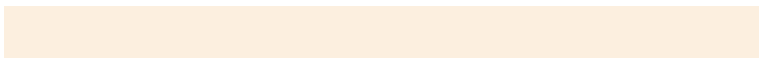
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8037, 87.6254, 99.9488



86.9722, 87.6254, 104.7869



84.2195, 87.6254, 82.4853

# Complementary

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



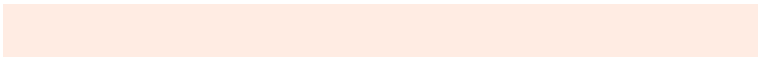
78.8037, 87.6254, 99.9488



76.1268, 75.3726, 77.5577

# 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.



86.4984, 87.6254, 85.3761



78.8037, 87.6254, 99.9488



88.1088, 87.6254, 98.0996

# Square

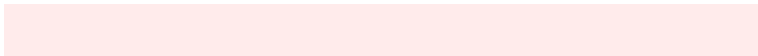
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8037, 87.6254, 99.9488



84.8557, 87.6254, 109.0876



87.9337, 87.6254, 91.0091



81.7344, 87.6254, 82.9247

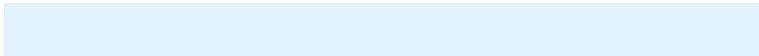


# Rectangle

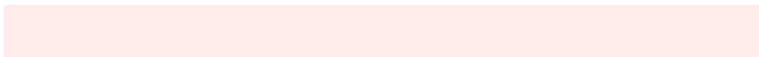
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



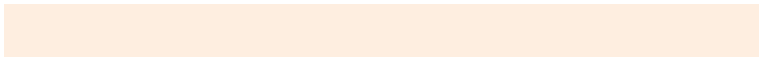
78.8037, 87.6254, 99.9488



81.5589, 87.6254, 108.8850



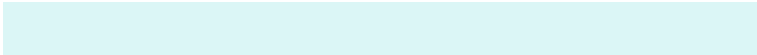
87.9337, 87.6254, 91.0091



85.0359, 87.6254, 83.0937

# Sweetspot

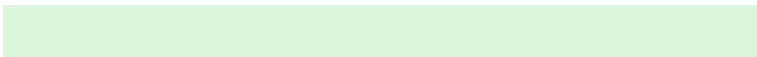
The Sweet Spot groups the original color and five complimentary colors.



78.8062, 87.6291, 99.9507



92.2912, 98.5778, 108.7700



75.0934, 86.1596, 79.6918



19.6003, 21.0204, 23.2740



0.0000, 0.0000, 0.0000

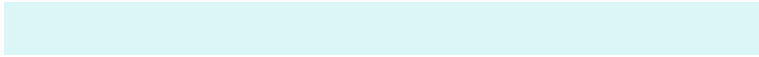


20.3446, 21.4041, 23.3091



# Same Dimension

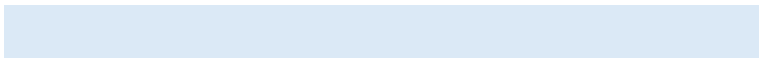
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8062, 87.6291, 99.9507



83.8876, 94.2456, 108.3739



74.9752, 79.9661, 98.6764



16.9967, 18.7578, 21.2668



26.4668, 38.7316, 52.6053



2.3262, 3.4041, 4.6237

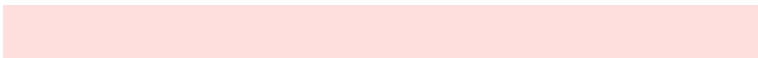


# Inverse Universe

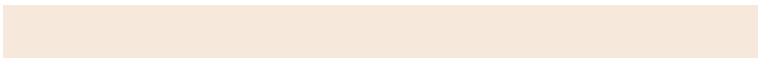
The Inverse Universe completely reimagines the original color for something new.



76.1268, 75.3726, 77.5577



80.4868, 78.6890, 79.9513



79.6660, 82.4518, 78.7351



16.4993, 16.4826, 17.1099



20.2863, 10.4580, 0.9501

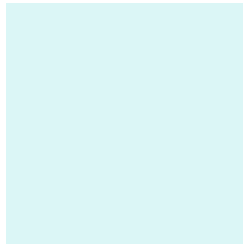


1.7830, 0.9192, 0.0837



# Previews

## White Background



This preview shows how the XYZ color 78.8037, 87.6254, 99.9488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

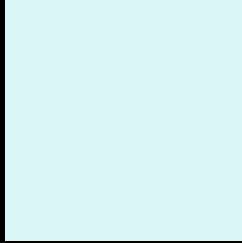
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.8037, 87.6254, 99.9488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

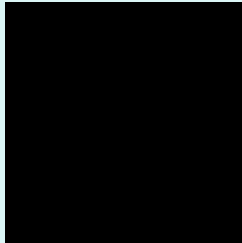
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

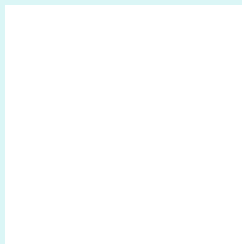
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.8037, 87.6254, 99.9488**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.8037, 87.6254, 99.9488.



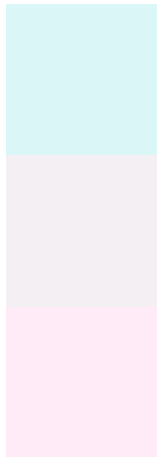
This preview shows how white text looks on a background with the XYZ color 78.8037, 87.6254,

99.9488.

# 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

78.8037, 87.6254, 99.9488

### Protanopia

84.2017, 87.3769, 96.4319

### Deuteranopia

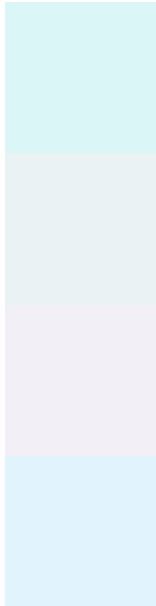
87.7368, 87.3921, 100.2398



## Tritanopia

82.1152, 87.3823, 107.1463

# Trichromacy



## Original Color

78.8037, 87.6254, 99.9488

## Protanomaly

82.1907, 87.6375, 97.3778

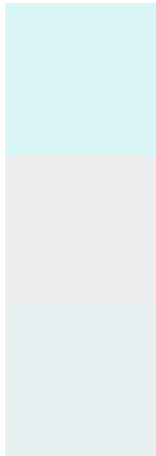
## Deuteranomaly

84.2730, 87.3256, 100.4096

## Tritanomaly

80.6726, 87.1370, 104.6627

# Monochromacy



## Original Color

78.8037, 87.6254, 99.9488

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.2875, 86.2504, 95.6355

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8037, 87.6254, 99.9488 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(219, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(219, 246, 246)  
}
```

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(219, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 246, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8037, 87.6254, 99.9488 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(219, 246, 246) }
```



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

```
.border{ border-color:rgb(219, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(219, 246,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8037, 87.6254, 99.9488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 246, 246) }
```

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

```
.background{ background-color: rgb(219,  
246, 246) }
```

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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