

Converting Colors

XYZ(77.1194, 87.4877,
100.3313)

Have a look what the booklet for
XYZ(77.1194, 87.4877, 100.3313)
contains.

XYZ(77.0659, 87.6375, 100.0427)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.0659, 87.6375,
100.0427)**

Conversions

Conversions Part 1

Format	Color
Hex	D3F8F6
RGB	211, 248, 246
RGB Percent	83%, 97%, 96%
CMY	0.1725, 0.0274, 0.0353
CMYK	0.15, 0.00, 0.01, 0.03
HSL	177°, 73%, 90%
HSV	177°, 15%, 97%
XYZ	77.0659, 87.6375, 100.0427
YIQ	236.7090, -21.4100, -8.4660

Conversions

Conversions Part 2

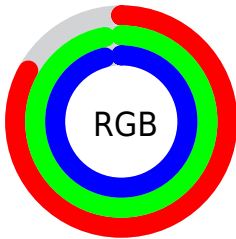
Format	Color
R _Y B	211, 230, 248
Decimal	13891830
CIE Lab	95.01, -12.24, -3.04
CIE LCh	95, 12.613, 193.949
Yxy	87.6375, 0.2911, 0.3310
Android (android.graphics.Color)	4292081910 (0xFFD3F8F6)
YUV	236.7090, 4.5805, -22.5468
Hunter-Lab	93.6149, -16.8809, 2.1695

Details

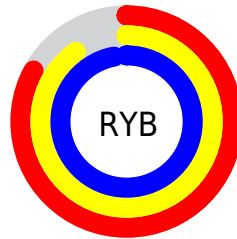
The XYZ color **77.0659, 87.6375, 100.0427** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0190, 71.3514, 72.8256**, and the grayscale version is **80.2523, 84.4316, 91.9460**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8542, 48.4849, 55.8678** is the 20% darker color. If you saturate the color by 10%, you get **70.2971, 84.1741, 98.6556**, and if you desaturate by 10%, it is **84.9373, 91.6738, 101.4928**.

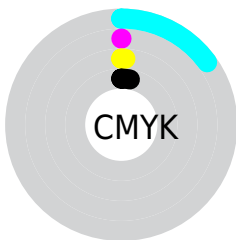
Distribution



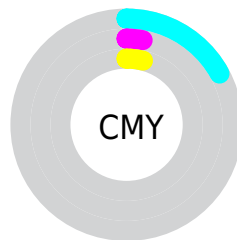
- Red (83%)
- Green (97%)
- Blue (96%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)



- Cyan (17%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0659, 87.6375, 100.0427 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 77.0659, 87.6375, 100.0427 by changing the saturation by 10% instead.

77.0659, 87.6375,
100.0427

77.0659, 87.6375,
100.0427

473.8772,
520.3154, 581.5774

57.6071, 66.0229,
75.7191

128.2049,
144.0524, 163.2682

41.7349, 48.2910,
55.6969

160.6157,
179.6214, 203.0073

29.0840, 34.0574,
39.5576

198.0746,
220.6108, 248.7219

19.2889, 22.9377,
26.8826

240.9469,
267.4048, 300.8306

11.9845, 14.5475,
17.2534

289.5979,
320.3879, 359.7520

6.8052, 8.5024,
10.2515

344.3931,

3.3858, 4.4181,

379.9444, 425.9046

5.4582

405.6977,
446.4588, 499.7069

■ 1.3609, 1.9101,
2.4552

■ 0.2281, 0.5544,
0.8163

■ 77.0659, 87.6375,
100.0427

■ 77.0659, 87.6375,
100.0427

■ 70.2971, 84.1741,
98.6556

■ 84.9373, 91.6738,
101.4928

■ 64.5734, 81.2470,
97.3234

■ 91.8591, 95.2181,
102.9045

■ 59.8432, 78.8319,
96.0454

■ 92.0690, 95.3020,
104.0098

■ 56.0477, 76.8985,
94.8189

■ 92.2804, 95.3866,
105.1230

■ 53.1220, 75.4132,
93.6408

■ 92.4933, 95.4717,
106.2442

■ 50.9926, 74.3384,
92.5077

■ 92.7078, 95.5575,
107.3732

■ 49.5743, 73.6299,
91.4155

■ 92.8590, 95.6180,
108.1697

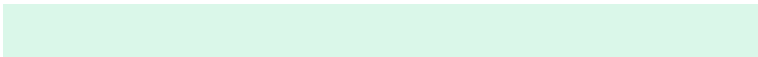
■ 48.7620, 73.2337,
90.3594

■ 48.5034, 73.1118,
89.8331

Harmonies

Analogous

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



77.1253, 87.6375, 90.3006



77.0659, 87.6375, 100.0427



78.6437, 87.6375, 109.1234

Triad

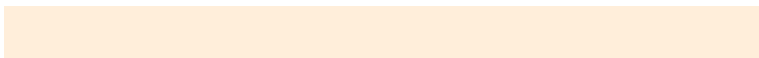
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0659, 87.6375, 100.0427



87.9527, 87.6375, 109.6594



85.1315, 87.6375, 78.4162

Complementary

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



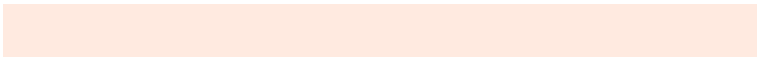
77.0659, 87.6375, 100.0427



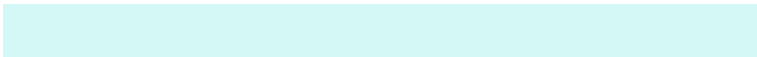
74.0190, 71.3514, 72.8256

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.



88.1300, 87.6375, 82.9190



77.0659, 87.6375, 100.0427



89.7891, 87.6375, 100.7342

Square

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



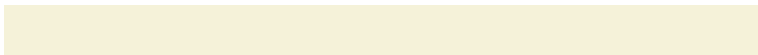
77.0659, 87.6375, 100.0427



84.8949, 87.6375, 114.9276



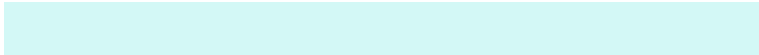
89.8548, 87.6375, 90.9465



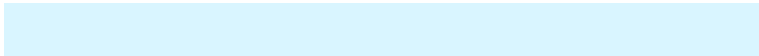
81.7189, 87.6375, 78.2591

Rectangle

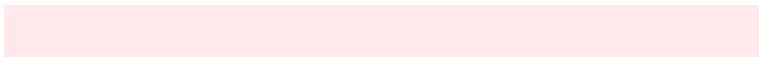
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



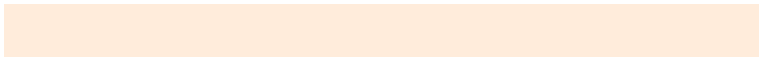
77.0659, 87.6375, 100.0427



80.4372, 87.6375, 113.3946



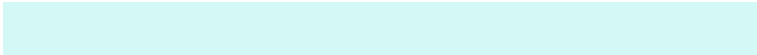
89.8548, 87.6375, 90.9465



86.2234, 87.6375, 79.4571

Sweetspot

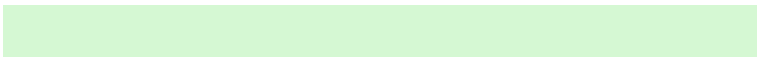
The Sweet Spot groups the original color and five complimentary colors.



77.0684, 87.6411, 100.0447



91.3076, 98.0810, 108.2614



72.9040, 86.0576, 74.3978



19.3977, 20.9186, 23.1469



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.



77.0684, 87.6411, 100.0447



79.7352, 92.1509, 106.1082



72.6570, 78.3235, 100.0997



17.7228, 19.5914, 22.0070



26.2176, 39.5001, 48.6167



2.4403, 3.6632, 4.5663

Inverse Universe

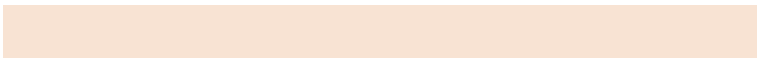
The Inverse Universe completely reimagines the original color for something new.



74.0190, 71.3514, 72.8256



75.8964, 71.6426, 71.8416



77.9506, 79.6190, 72.8890



17.2827, 17.2404, 18.0785



20.9679, 10.8029, 1.2734



1.9550, 1.0057, 0.1862

Previews

White Background



This preview shows how the XYZ color 77.0659, 87.6375, 100.0427 looks on a white background.

Color Contrast Check

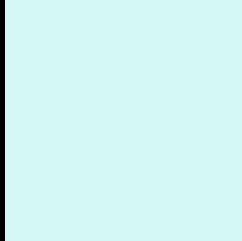
Large Text (above 18pt) WCAG AA × Fail

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 77.0659, 87.6375, 100.0427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

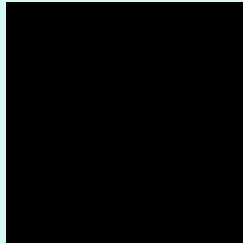
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.0659, 87.6375, 100.0427

Background



This preview shows how black text looks on a background with the XYZ color 77.0659, 87.6375, 100.0427.



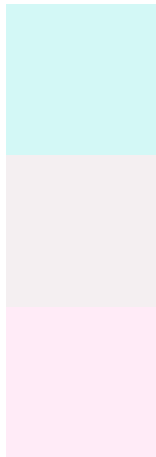
This preview shows how white text looks on a background with the XYZ color 77.0659, 87.6375,

100.0427.

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

77.0659, 87.6375, 100.0427

Protanopia

84.0519, 87.3170, 95.6429

Deuteranopia

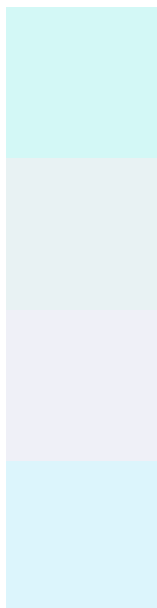
87.7368, 87.3921, 100.2398



Tritanopia

81.1519, 87.3287, 107.1867

Trichromacy



Original Color

77.0659, 87.6375, 100.0427

Protanomaly

81.2085, 87.1311, 97.3319

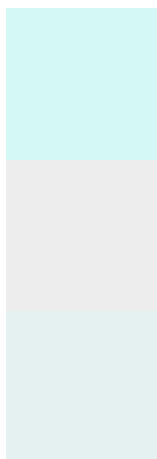
Deuteranomaly

83.5452, 87.3863, 100.4596

Tritanomaly

79.7383, 87.5487, 104.7914

Monochromacy



Original Color

77.0659, 87.6375, 100.0427

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.1784, 85.6958, 94.8059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0659, 87.6375, 100.0427 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(211, 248, 246)` looks like.

```
.text, #text, p{  
    color:rgb(211, 248, 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(211, 248, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 248, 246) }
```

Border

The CSS property to change the border of an element to XYZ 77.0659, 87.6375, 100.0427 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(211, 248, 246) }
```


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

```
.border{ border-color:rgb(211, 248, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 248, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 248, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 248, 246); box-shadow:4px 4px 4px 4px rgb(211, 248, 246) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0659, 87.6375, 100.0427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 248, 246) }
```

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

```
.background{ background-color: rgb(211,  
248, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor