

Converting Colors

XYZ(77.1238, 86.9985,
100.3598)

Have a look what the booklet for
XYZ(77.1238, 86.9985, 100.3598)
contains.

XYZ(77.2006, 87.2340, 100.7646)	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(77.2006, 87.2340,
100.7646)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F7F7
RGB	212, 247, 247
RGB Percent	83%, 97%, 97%
CMY	0.1686, 0.0314, 0.0314
CMYK	0.14, 0.00, 0.00, 0.03
HSL	180°, 69%, 90%
HSV	180°, 14%, 97%
XYZ	77.2006, 87.2340, 100.7646
YIQ	236.5350, -20.8600, -7.4200

Conversions

Conversions Part 2

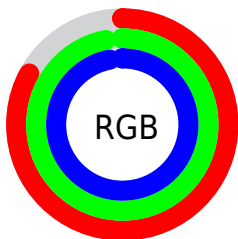
Format	Color
R _Y B	212, 230, 247
Decimal	13957111
CIE Lab	94.84, -11.23, -3.80
CIE LCh	95, 11.860, 198.694
Yxy	87.2340, 0.2911, 0.3289
Android (android.graphics.Color)	4292147191 (0xFFD4F7F7)
YUV	236.5350, 5.1592, -21.5172
Hunter-Lab	93.3991, -15.9064, 1.4138

Details

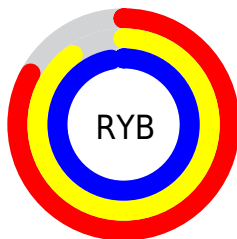
The XYZ color **77.2006, 87.2340, 100.7646** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7880, 71.6169, 72.2255**, and the grayscale version is **80.1140, 84.2862, 91.7877**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9394, 48.1913, 56.3816** is the 20% darker color. If you saturate the color by 10%, you get **70.6181, 83.8430, 100.4563**, and if you desaturate by 10%, it is **84.8774, 91.1938, 101.1278**.

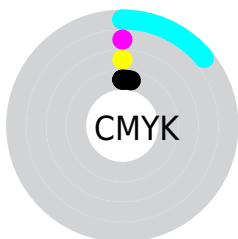
Distribution



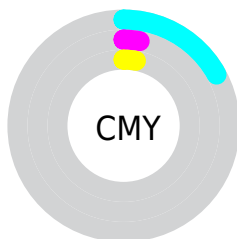
- Red (83%)
- Green (97%)
- Blue (97%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2006, 87.2340, 100.7646 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 77.2006, 87.2340, 100.7646 by changing the saturation by 10% instead.

77.2006, 87.2340,
100.7646

77.2006, 87.2340,
100.7646

474.3292,
518.9915, 583.9089

57.7180, 65.6889,
76.3188

128.3939,
143.4903, 164.2686

41.8244, 48.0199,
56.1857

160.8354,
178.9702, 204.1638

29.1543, 33.8426,
39.9469

198.3273,
219.8638, 250.0459

19.3425, 22.7727,
27.1836

241.2348,
266.5555, 302.3335

12.0235, 14.4258,
17.4775

289.9234,
319.4298, 361.4450

6.8320, 8.4174,
10.4100

344.7584,

3.4026, 4.3632,

378.8709, 427.7991

5.5625

406.1052,
445.2634, 501.8142

■ 1.3701, 1.8787,
2.5165

■ 0.2348, 0.5355,
0.8489

■ 77.2006, 87.2340,
100.7646

■ 77.2006, 87.2340,
100.7646

■ 70.6181, 83.8430,
100.4563

■ 84.8774, 91.1938,
101.1278

■ 65.0730, 80.9844,
100.1948

■ 91.2919, 94.5006,
101.4300

■ 60.5147, 78.6346,
99.9794

■ 91.2923, 94.5007,
101.4321

■ 56.8854, 76.7636,
99.8075

■ 91.2927, 94.5009,
101.4341

54.1211, 75.3386,
99.6761

91.2931, 94.5011,
101.4362

52.1501, 74.3226,
99.5818

91.2935, 94.5012,
101.4383

50.8888, 73.6724,
99.5207

91.2939, 94.5014,
101.4404

50.2353, 73.3356,
99.4881

91.2943, 94.5015,
101.4424

50.0478, 73.2389,
99.4781

91.2947, 94.5017,
101.4445

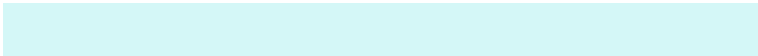
Harmonies

Analogous

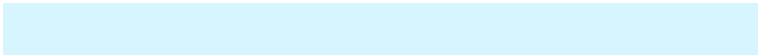
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0044, 87.2340, 91.5579



77.2006, 87.2340, 100.7646



78.9038, 87.2340, 108.8965

Triad

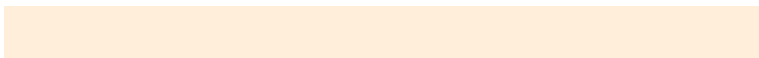
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2006, 87.2340, 100.7646



87.6389, 87.2340, 107.1410



84.1298, 87.2340, 78.6756

Complementary

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



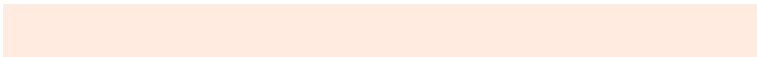
77.2006, 87.2340, 100.7646



73.7880, 71.6169, 72.2255

Split Complementary

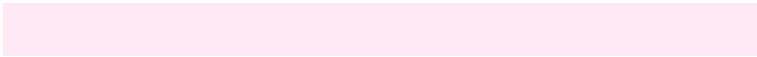
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0564, 87.2340, 82.3082



77.2006, 87.2340, 100.7646



89.1170, 87.2340, 98.4924

Square

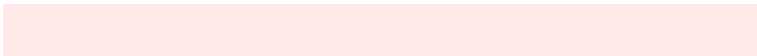
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2006, 87.2340, 100.7646



84.9082, 87.2340, 112.7387



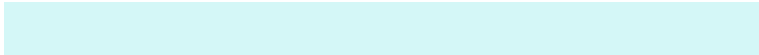
88.9011, 87.2340, 89.4269



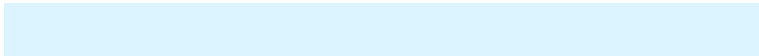
80.9499, 87.2340, 79.1969

Rectangle

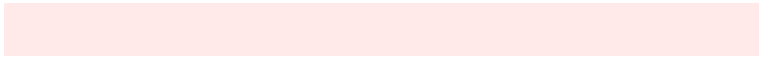
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



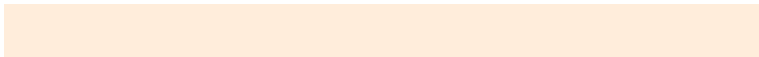
77.2006, 87.2340, 100.7646



80.6898, 87.2340, 112.4298



88.9011, 87.2340, 89.4269



85.1773, 87.2340, 79.4414

Sweetspot

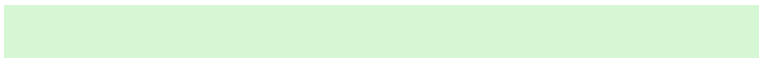
The Sweet Spot groups the original color and five complimentary colors.



77.2031, 87.2376, 100.7666



91.3963, 98.1165, 108.7281



72.4668, 85.3626, 74.9459



19.4202, 20.9276, 23.2656



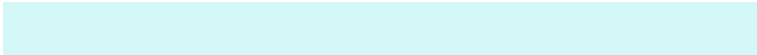
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.2031, 87.2376, 100.7666



80.8599, 92.6848, 108.2322



72.2623, 77.3552, 99.1224



16.9967, 18.7578, 21.2670



26.4674, 38.7318, 52.6083



2.3262, 3.4042, 4.6239

Inverse Universe

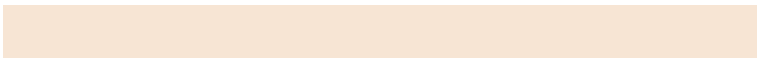
The Inverse Universe completely reimagines the original color for something new.



73.7880, 71.6169, 72.2255



76.5362, 72.9082, 72.0979



78.2408, 80.5232, 73.7075



16.4993, 16.4826, 17.1098



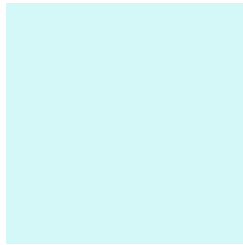
20.2863, 10.4579, 0.9499



1.7830, 0.9192, 0.0836

Previews

White Background



This preview shows how the XYZ color 77.2006, 87.2340, 100.7646 looks on a white background.

Color Contrast Check

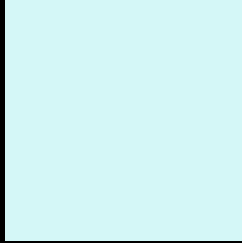
Large Text (above 18pt) WCAG AA × Fail

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 77.2006, 87.2340, 100.7646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

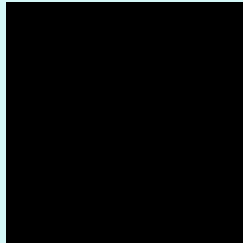
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.2006, 87.2340, 100.7646

Background



This preview shows how black text looks on a background with the XYZ color 77.2006, 87.2340, 100.7646.



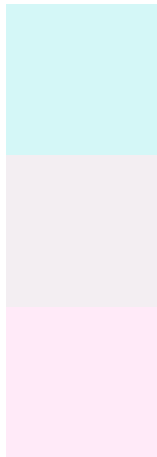
This preview shows how white text looks on a background with the XYZ color 77.2006, 87.2340,

100.7646.

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

77.2006, 87.2340, 100.7646

Protanopia

83.5637, 86.6146, 96.3184

Deuteranopia

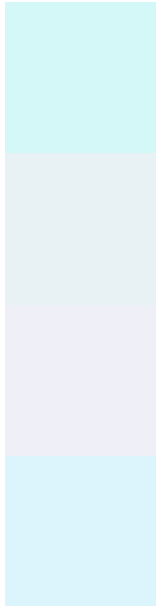
87.6061, 86.8829, 100.9597



Tritanopia

81.1519, 87.3287, 107.1867

Trichromacy



Original Color

77.2006, 87.2340, 100.7646

Protanomaly

81.0631, 86.5981, 98.0306

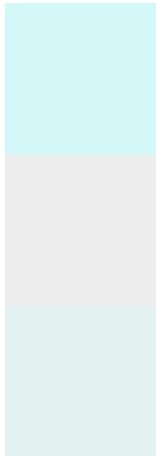
Deuteranomaly

83.4064, 86.8610, 101.1768

Tritanomaly

79.4366, 86.9453, 104.6908

Monochromacy



Original Color

77.2006, 87.2340, 100.7646

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.3274, 85.7554, 95.5905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2006, 87.2340, 100.7646 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, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 247)  
}
```

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, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 247) }
```

Border

The CSS property to change the border of an element to XYZ 77.2006, 87.2340, 100.7646 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, 247, 247) }
```


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

```
.border{ border-color:rgb(212, 247, 247) }
```

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

Here you see how a box with a 4 pixel rgb(212, 247, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2006, 87.2340, 100.7646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 247) }
```

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

```
.background{ background-color: rgb(212,  
247, 247) }
```

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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