

Converting Colors

XYZ(78.0706, 87.8621,
101.6522)

Have a look what the booklet for
XYZ(78.0706, 87.8621, 101.6522)
contains.

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Color

**XYZ(77.9356, 87.5950,
101.6068)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F7F8
RGB	214, 247, 248
RGB Percent	84%, 97%, 97%
CMY	0.1608, 0.0314, 0.0274
CMYK	0.14, 0.00, 0.00, 0.03
HSL	182°, 71%, 91%
HSV	182°, 14%, 97%
XYZ	77.9356, 87.5950, 101.6068
YIQ	237.2470, -19.9890, -6.6850

Conversions

Conversions Part 2

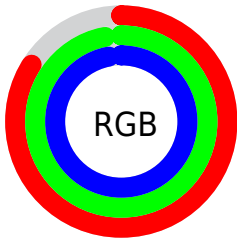
Format	Color
R _Y B	214, 231, 248
Decimal	14088184
CIE Lab	94.99, -10.42, -4.08
CIE LCh	95, 11.187, 201.387
Yxy	87.5950, 0.2917, 0.3279
Android (android.graphics.Color)	4292278264 (0xFFD6F7F8)
YUV	237.2470, 5.3012, -20.3876
Hunter-Lab	93.5922, -15.1468, 1.1473

Details

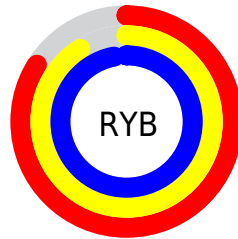
The XYZ color **77.9356, 87.5950, 101.6068** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1500, 73.4121, 73.8290**, and the grayscale version is **80.6601, 84.8607, 92.4133**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4433, 48.4383, 56.9817** is the 20% darker color. If you saturate the color by 10%, you get **71.0205, 83.7031, 101.2215**, and if you desaturate by 10%, it is **85.9586, 92.0639, 102.0479**.

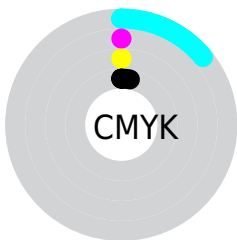
Distribution



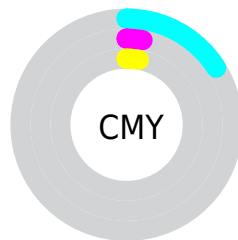
- Red (84%)
- Green (97%)
- Blue (97%)



- Red (84%)
- Yellow (91%)
- Blue (97%)



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



- Cyan (16%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9356, 87.5950, 101.6068 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 77.9356, 87.5950, 101.6068 by changing the saturation by 10% instead.

77.9356, 87.5950,
101.6068

77.9356, 87.5950,
101.6068

476.7912,
520.1760, 586.6226

58.3237, 65.9877,
77.0188

129.4252,
143.9932, 165.4346

42.3132, 48.2624,
56.7566

162.0335,
179.5529, 205.5115

29.5388, 34.0348,
40.4018

199.7048,
220.5321, 251.5885

19.6351, 22.9203,
27.5358

242.8042,
267.3154, 304.0840

12.2368, 14.5347,
17.7401

291.6972,
320.2870, 363.4166

6.9785, 8.4935,
10.5960

346.7492,

3.4949, 4.4123,

379.8314, 430.0049

5.6851

408.3254,
446.3329, 504.2674

■ 1.4205, 1.9068,
2.5889

■ 0.2708, 0.5524,
0.8867

■ 77.9356, 87.5950,
101.6068

■ 77.9356, 87.5950,
101.6068

■ 71.0205, 83.7031,
101.2215

■ 85.9586, 92.0639,
102.0479

■ 65.1560, 80.3518,
100.8837


■ 91.8922, 95.4548,
102.3897


■ 60.2912, 77.5172,
100.5929


■ 92.1167, 95.9037,
102.4645


■ 56.3679, 75.1692,
100.3465


■ 92.3420, 96.3543,
102.5396


 53.3219, 73.2747,
100.1414


 92.5682, 96.8067,
102.6150


 51.0811, 71.7966,
99.9742


 92.7952, 97.2608,
102.6907


 49.5619, 70.6918,
99.8410

 93.0232, 97.7167,
102.7667

 48.6622, 69.9076,
99.7371

 93.2520, 98.1743,
102.8429

 48.3200, 69.5303,
99.6823

 93.4817, 98.6336,
102.9195

Harmonies

Analogous

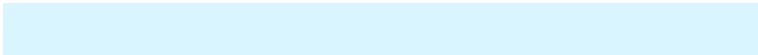
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6142, 87.5950, 92.8929



77.9356, 87.5950, 101.6068



79.6645, 87.5950, 109.0523

Triad

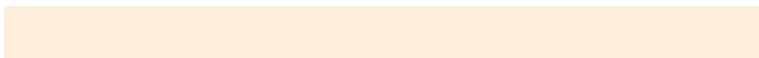
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9356, 87.5950, 101.6068



87.9040, 87.5950, 106.2001



84.1342, 87.5950, 79.7753

Complementary

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



77.9356, 87.5950, 101.6068



75.1500, 73.4121, 73.8290

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.



86.9547, 87.5950, 82.8939



77.9356, 87.5950, 101.6068



89.1657, 87.5950, 97.9030

Square

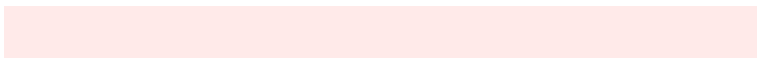
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9356, 87.5950, 101.6068



85.4045, 87.5950, 111.8144



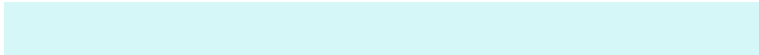
88.8141, 87.5950, 89.4054



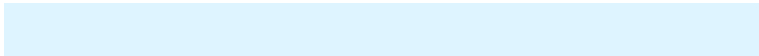
81.1447, 87.5950, 80.6334

Rectangle

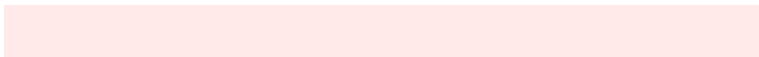
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



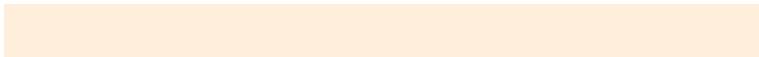
77.9356, 87.5950, 101.6068



81.4062, 87.5950, 112.1226



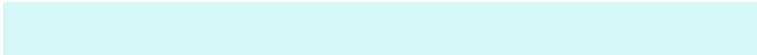
88.8141, 87.5950, 89.4054



85.1345, 87.5950, 80.3860

Sweetspot

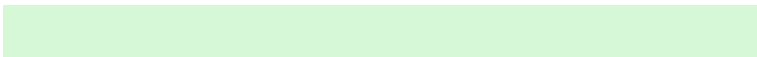
The Sweet Spot groups the original color and five complimentary colors.



77.9381, 87.5986, 101.6088



91.3012, 97.9259, 108.6973



73.5105, 86.3165, 76.7863



19.3960, 20.8791, 23.2577



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

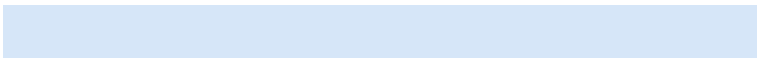
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9381, 87.5986, 101.6088



81.2197, 92.3057, 108.1438



73.0939, 77.9101, 99.9940



17.7197, 19.5161, 22.2184



26.1213, 37.5981, 53.8540



2.4326, 3.5090, 4.9923

Inverse Universe

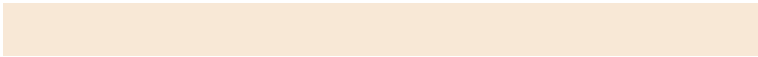
The Inverse Universe completely reimagines the original color for something new.



79.5485, 74.7668, 98.2387



83.1953, 76.5977, 104.0016



79.5852, 82.2826, 75.3074



17.9698, 17.5153, 21.6966



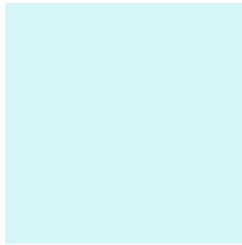
29.4768, 14.2065, 46.0809



2.7368, 1.3185, 4.3034

Previews

White Background



This preview shows how the XYZ color 77.9356, 87.5950, 101.6068 looks on a white background.

Color Contrast Check

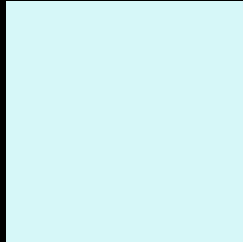
Large Text (above 18pt) WCAG AA × Fail

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 77.9356, 87.5950, 101.6068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

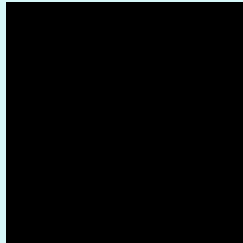
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9356, 87.5950, 101.6068

Background



This preview shows how black text looks on a background with the XYZ color 77.9356, 87.5950, 101.6068.



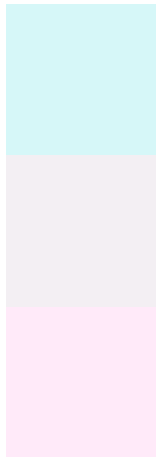
This preview shows how white text looks on a background with the XYZ color 77.9356, 87.5950,

101.6068.

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

77.9356, 87.5950, 101.6068

Protanopia

84.0063, 87.2588, 97.2090

Deuteranopia

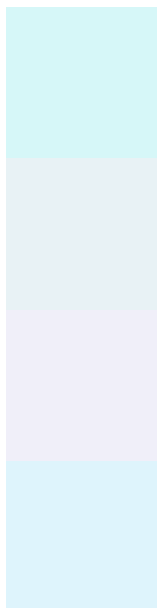
87.7617, 86.9452, 101.7791



Tritanopia

81.4646, 87.4899, 107.2013

Trichromacy



Original Color

77.9356, 87.5950, 101.6068

Protanomaly

81.5123, 87.2526, 98.9315

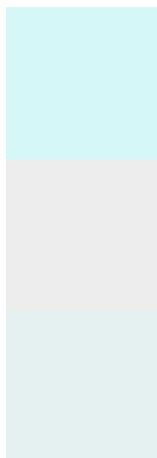
Deuteranomaly

83.9006, 87.0978, 102.0121

Tritanomaly

80.0456, 87.2592, 104.7193

Monochromacy



Original Color

77.9356, 87.5950, 101.6068

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.6456, 85.9195, 95.6054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9356, 87.5950, 101.6068 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(214, 247, 248)` looks like.

```
.text, #text, p{  
    color:rgb(214, 247, 248)  
}
```

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(214, 247, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 247, 248) }
```

Border

The CSS property to change the border of an element to XYZ 77.9356, 87.5950, 101.6068 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(214, 247, 248) }
```


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

```
.border{ border-color:rgb(214, 247, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 247, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 247, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 247, 248);  
box-shadow:4px 4px 4px 4px rgb(214, 247,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9356, 87.5950, 101.6068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 247, 248) }
```

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

```
.background{ background-color: rgb(214,  
247, 248) }
```

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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