

Converting Colors

XYZ(77.0135, 87.6958, 82.7503)

Have a look what the booklet for
XYZ(77.0135, 87.6958, 82.7503)
contains.

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Color

**XYZ(77.0115, 87.5372,
82.6495)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF7DF
RGB	223, 247, 223
RGB Percent	87%, 97%, 87%
CMY	0.1255, 0.0314, 0.1255
CMYK	0.10, 0.00, 0.10, 0.03
HSL	120°, 60%, 92%
HSV	120°, 10%, 97%
XYZ	77.0115, 87.5372, 82.6495
YIQ	237.0880, -6.6000, -12.5520

Conversions

Conversions Part 2

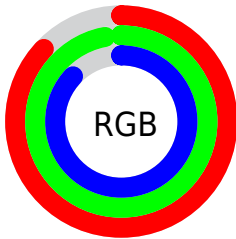
Format	Color
R _Y B	223, 247, 247
Decimal	14677983
CIE Lab	94.97, -12.17, 8.88
CIE LCh	95, 15.063, 143.883
Yxy	87.5372, 0.3115, 0.3541
Android (android.graphics.Color)	4292868063 (0xFFDFF7DF)
YUV	237.0880, -6.9454, -12.3552
Hunter-Lab	93.5613, -16.8067, 13.1178

Details

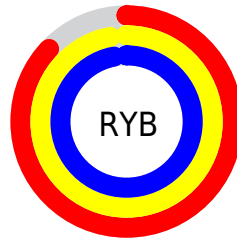
The XYZ color **77.0115, 87.5372, 82.6495** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.5371, 79.2671, 99.0025**, and the grayscale version is **80.6215, 84.8201, 92.3691**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8471, 48.4136, 44.1850** is the 20% darker color. If you saturate the color by 10%, you get **66.8585, 82.6628, 66.0404**, and if you desaturate by 10%, it is **88.7654, 93.1858, 101.8731**.

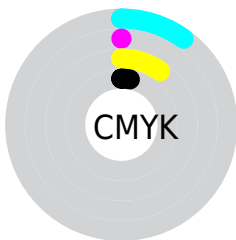
Distribution



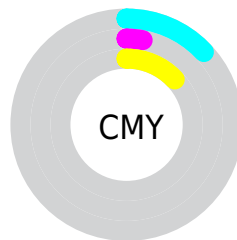
- Red (87%)
- Green (97%)
- Blue (87%)



- Red (87%)
- Yellow (97%)
- Blue (97%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)



- Cyan (13%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0115, 87.5372, 82.6495 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 77.0115, 87.5372, 82.6495 by changing the saturation by 10% instead.

77.0115, 87.5372,
82.6495

77.0115, 87.5372,
82.6495

473.6946,
519.9865, 523.7580

57.5623, 65.9399,
61.3621

128.1285,
143.9127, 138.9293

41.6987, 48.2236,
44.0850

160.5269,
179.4596, 174.7588

29.0555, 34.0040,
30.3997

197.9725,
220.4251, 216.2727

19.2673, 22.8967,
19.8875

240.8305,
267.1938, 263.8896

11.9688, 14.5172,
12.1300

289.4664,
320.1498, 318.0281

6.7945, 8.4813,
6.7087

344.2455,

3.3791, 4.4044,

379.6777, 379.1066

3.2049

405.5331,
446.1618, 447.5437

■ 1.3573, 1.9023,
1.2002

■ 0.2255, 0.5497,
0.0000

■ 77.0115, 87.5372,
82.6495

■ 77.0115, 87.5372,
82.6495

■ 66.8585, 82.6628,
66.0404

■ 88.7654, 93.1858,
101.8731

■ 58.2303, 78.5182,
51.9275

■ 92.5524, 95.0049,
108.0675

■ 51.0556, 75.0718,
40.1918

■ 45.2543, 72.2852,
30.7028

■ 40.7389, 70.1162,
23.3169

■ 37.4115, 68.5179,
17.8744

■ 35.1606, 67.4366,
14.1924

■ 33.8530, 66.8086,
12.0536

■ 33.2750, 66.5309,
11.1081

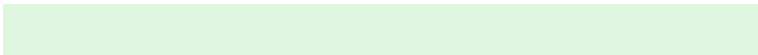
Harmonies

Analogous

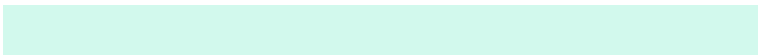
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0592, 87.5372, 76.1742



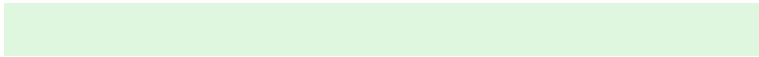
77.0115, 87.5372, 82.6495



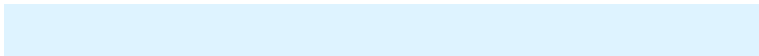
75.6275, 87.5372, 92.9343

Triad

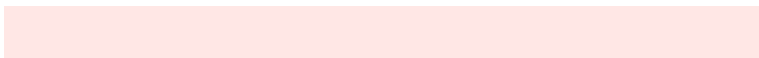
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0115, 87.5372, 82.6495



82.3667, 87.5372, 119.4961



90.5982, 87.5372, 86.4857

Complementary

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



77.0115, 87.5372, 82.6495



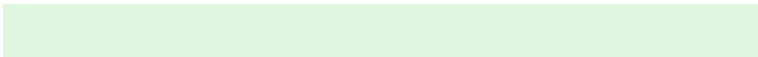
81.5371, 79.2671, 99.0025

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.



91.2649, 87.5372, 97.7322



77.0115, 87.5372, 82.6495



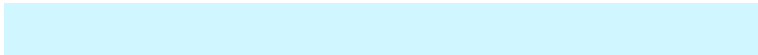
86.4249, 87.5372, 117.4160

Square

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



77.0115, 87.5372, 82.6495



78.6535, 87.5372, 114.6808



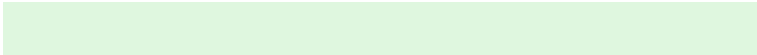
89.7146, 87.5372, 109.2084



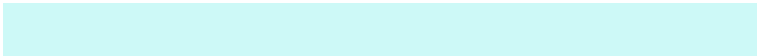
87.9215, 87.5372, 78.2589

Rectangle

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



77.0115, 87.5372, 82.6495



75.8012, 87.5372, 100.8177



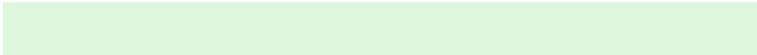
89.7146, 87.5372, 109.2084



91.0684, 87.5372, 90.0127

Sweetspot

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



77.0139, 87.5409, 82.6514



91.0839, 98.0949, 102.4128



84.9417, 91.6279, 83.0222



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



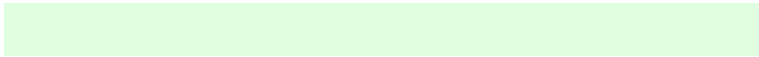
20.3446, 21.4041, 23.3091

Same Dimension

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



77.0139, 87.5409, 82.6514



80.1335, 92.8349, 84.5015



78.6903, 88.2115, 91.4791



16.2823, 18.4721, 17.5049



17.5905, 35.1811, 5.8636



1.5460, 3.0921, 0.5154

Inverse Universe

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



81.5371, 79.2671, 99.0025



86.0532, 82.0066, 105.9008



79.7437, 78.5497, 89.5586



17.2137, 16.7683, 20.8719



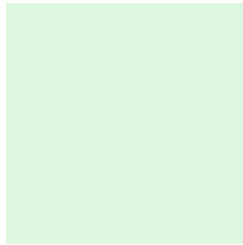
29.1648, 14.0094, 47.7036



2.5633, 1.2313, 4.1927

Previews

White Background



This preview shows how the XYZ color 77.0115, 87.5372, 82.6495 looks on a white background.

Color Contrast Check

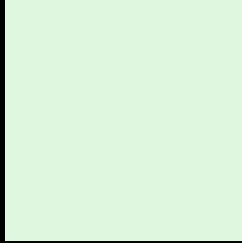
Large Text (above 18pt) WCAG AA × Fail

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 77.0115, 87.5372, 82.6495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

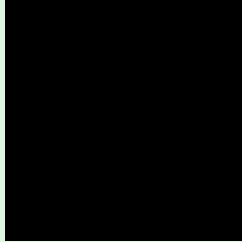
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

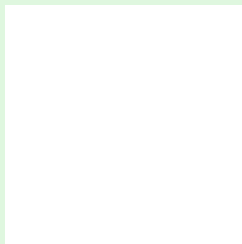
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0115, 87.5372, 82.6495

Background



This preview shows how black text looks on a background with the XYZ color 77.0115, 87.5372, 82.6495.



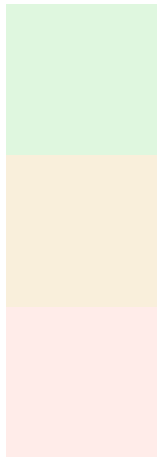
This preview shows how white text looks on a background with the XYZ color 77.0115, 87.5372,

82.6495.

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

77.0115, 87.5372, 82.6495

Protanopia

82.7196, 86.9872, 79.4483

Deuteranopia

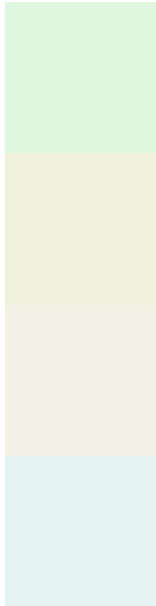
85.9434, 87.1341, 89.3797



Tritanopia

82.7840, 87.2864, 107.0925

Trichromacy



Original Color

77.0115, 87.5372, 82.6495

Protanomaly

80.6056, 87.1968, 80.2924

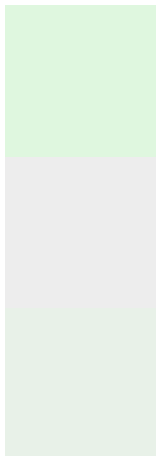
Deuteranomaly

82.2651, 87.0320, 86.5918

Tritanomaly

80.5414, 87.2303, 97.3862

Monochromacy



Original Color

77.0115, 87.5372, 82.6495

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.2995, 85.8926, 88.7433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0115, 87.5372, 82.6495 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(223, 247, 223)` looks like.

```
.text, #text, p{  
    color:rgb(223, 247, 223)  
}
```

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(223, 247, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 223) }
```

Border

The CSS property to change the border of an element to XYZ 77.0115, 87.5372, 82.6495 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(223, 247, 223) }
```


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

```
.border{ border-color:rgb(223, 247, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 247, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 223);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0115, 87.5372, 82.6495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 223) }
```

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

```
.background{ background-color: rgb(223,  
247, 223) }
```

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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