

Converting Colors

XYZ(76.7713, 87.1697, 89.2120)

Have a look what the booklet for
XYZ(76.7713, 87.1697, 89.2120)
contains.

XYZ(76.7397, 87.2532, 89.1409)	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(76.7397, 87.2532,
89.1409)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF7E8
RGB	218, 247, 232
RGB Percent	85%, 97%, 91%
CMY	0.1451, 0.0314, 0.0902
CMYK	0.12, 0.00, 0.06, 0.03
HSL	149°, 64%, 91%
HSV	149°, 12%, 97%
XYZ	76.7397, 87.2532, 89.1409
YIQ	236.6190, -12.4690, -10.8130

Conversions

Conversions Part 2

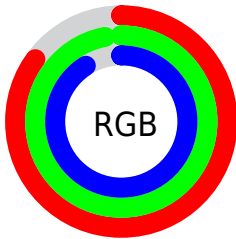
Format	Color
R _Y B	218, 238, 247
Decimal	14350312
CIE Lab	94.85, -12.20, 4.02
CIE LCh	95, 12.843, 161.782
Yxy	87.2532, 0.3032, 0.3447
Android (android.graphics.Color)	4292540392 (0xFFDAF7E8)
YUV	236.6190, -2.2772, -16.3289
Hunter-Lab	93.4094, -16.8214, 8.8060

Details

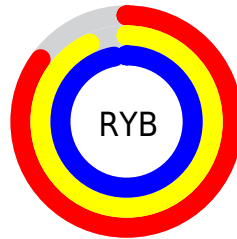
The XYZ color **76.7397, 87.2532, 89.1409** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.1403, 75.8023, 87.6077**, and the grayscale version is **80.2292, 84.4074, 91.9197**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5715, 48.1827, 48.1834** is the 20% darker color. If you saturate the color by 10%, you get **68.1474, 83.0283, 79.6070**, and if you desaturate by 10%, it is **86.5697, 92.1058, 99.4252**.

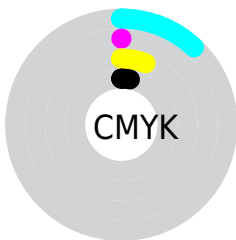
Distribution



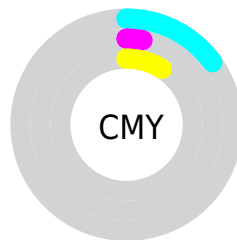
- Red (85%)
- Green (97%)
- Blue (91%)



- Red (85%)
- Yellow (93%)
- Blue (97%)



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)



- Cyan (15%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7397, 87.2532, 89.1409 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 76.7397, 87.2532, 89.1409 by changing the saturation by 10% instead.

76.7397, 87.2532,
89.1409

76.7397, 87.2532,
89.1409

472.7816,
519.0545, 545.7301

57.3384, 65.7048,
66.6986

127.7468,
143.5170, 148.0696

41.5182, 48.0328,
48.3797

160.0833,
179.0012, 185.3930

28.9137, 33.8528,
33.7656

197.4623,
219.8993, 228.5140

19.1595, 22.7806,
22.4376

240.2491,
266.5960, 277.8510

11.8903, 14.4316,
13.9774

288.8091,
319.4754, 333.8226

6.7407, 8.4214,
7.9664

343.5076,

3.3453, 4.3658,

378.9220, 396.8472

3.9860

404.7100,
445.3203, 467.3436

■ 1.3389, 1.8802,
1.6177

■ 0.2121, 0.5364,
0.3034

■ 76.7397, 87.2532,
89.1409

■ 76.7397, 87.2532,
89.1409

■ 68.1474, 83.0283,
79.6070

■ 86.5697, 92.1058,
99.4252

■ 60.7340, 79.3938,
70.8010

■ 92.5525, 95.0049,
108.0675

■ 54.4471, 76.3254,
62.7069

■ 49.2270, 73.7927,
55.3066

■ 45.0084, 71.7625,
48.5808

■ 41.7184, 70.1974,
42.5093

■ 39.2735, 69.0548,
37.0707

■ 37.5737, 68.2837,
32.2419

■ 36.6060, 67.8623,
28.6946

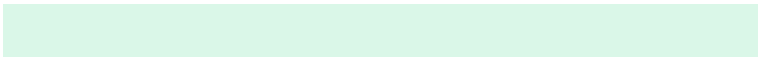
Harmonies

Analogous

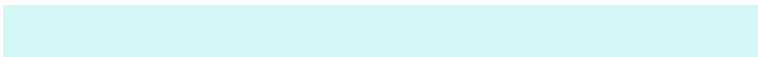
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5547, 87.2532, 81.4252



76.7397, 87.2532, 89.1409



76.5553, 87.2532, 98.9689

Triad

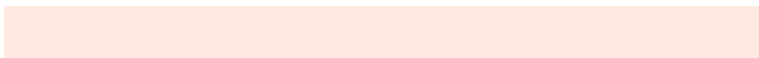
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7397, 87.2532, 89.1409



84.3047, 87.2532, 115.0145



88.0192, 87.2532, 82.8047

Complementary

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



76.7397, 87.2532, 89.1409



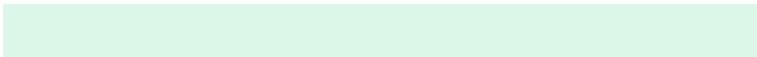
78.1403, 75.8023, 87.6077

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.



89.6523, 87.2532, 91.1462



76.7397, 87.2532, 89.1409



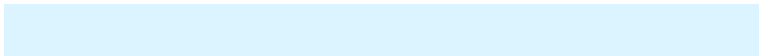
87.4680, 87.2532, 110.0141

Square

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



76.7397, 87.2532, 89.1409



80.8583, 87.2532, 114.3836



89.4478, 87.2532, 101.1185



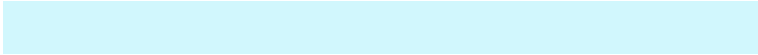
85.0400, 87.2532, 77.9470

Rectangle

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



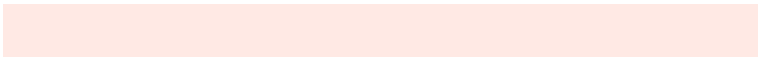
76.7397, 87.2532, 89.1409



77.3754, 87.2532, 105.4533



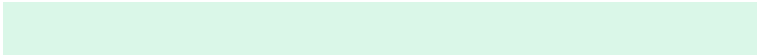
89.4478, 87.2532, 101.1185



88.7475, 87.2532, 85.2686

Sweetspot

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



76.7421, 87.2569, 89.1428



90.5584, 97.7813, 104.3161



79.6756, 88.9899, 79.3082



19.2077, 20.8426, 22.1466



0.0000, 0.0000, 0.0000



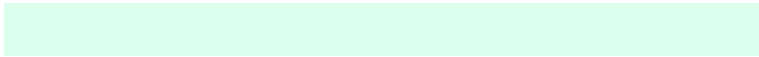
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7421, 87.2569, 89.1428



80.2816, 92.7138, 93.4273



78.8169, 88.0868, 100.0683



16.6154, 18.6053, 19.2593



19.4298, 35.9168, 15.5490



1.7594, 3.1774, 1.6388

Inverse Universe

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



78.1403, 75.8023, 87.6077



82.0483, 78.2391, 91.4873



76.2136, 75.0316, 77.4617



16.8571, 16.6257, 18.9940



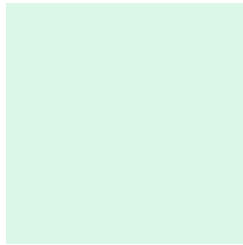
22.4111, 11.3079, 12.1392



2.0217, 1.0146, 1.3404

Previews

White Background



This preview shows how the XYZ color 76.7397, 87.2532, 89.1409 looks on a white background.

Color Contrast Check

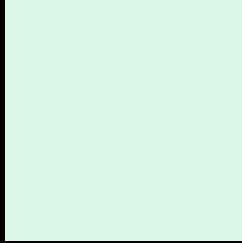
Large Text (above 18pt) WCAG AA × Fail

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 76.7397, 87.2532, 89.1409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

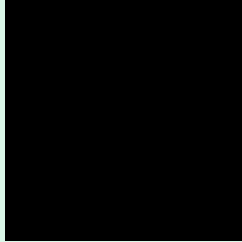
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

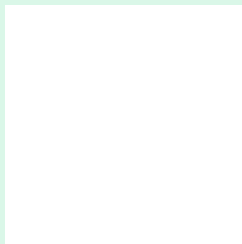
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7397, 87.2532, 89.1409

Background



This preview shows how black text looks on a background with the XYZ color 76.7397, 87.2532, 89.1409.



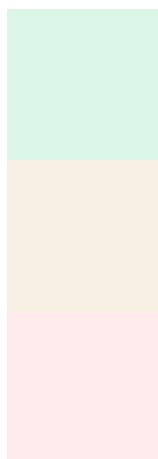
This preview shows how white text looks on a background with the XYZ color 76.7397, 87.2532,

89.1409.

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

76.7397, 87.2532, 89.1409

Protanopia

83.0894, 87.0532, 85.0967

Deuteranopia

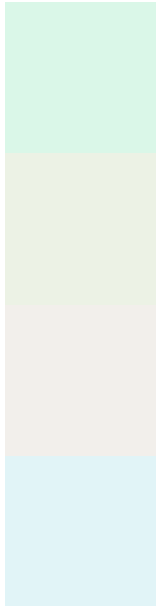
86.2344, 86.7911, 92.3281



Tritanopia

82.1152, 87.3823, 107.1463

Trichromacy



Original Color

76.7397, 87.2532, 89.1409

Protanomaly

80.4871, 86.9943, 86.6782

Deuteranomaly

82.4798, 86.6084, 90.9672

Tritanomaly

80.1905, 87.4243, 100.6438

Monochromacy



Original Color

76.7397, 87.2532, 89.1409

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.0838, 85.7317, 90.9770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7397, 87.2532, 89.1409 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(218, 247, 232)` looks like.

```
.text, #text, p{  
    color:rgb(218, 247, 232)  
}
```

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(218, 247, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 247, 232) }
```

Border

The CSS property to change the border of an element to XYZ 76.7397, 87.2532, 89.1409 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(218, 247, 232) }
```


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

```
.border{ border-color:rgb(218, 247, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 247, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 247, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 247, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 247,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7397, 87.2532, 89.1409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 247, 232) }
```

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

```
.background{ background-color: rgb(218,  
247, 232) }
```

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