

Converting Colors

XYZ(78.3367, 91.8478, 87.1634)

Have a look what the booklet for
XYZ(78.3367, 91.8478, 87.1634)
contains.

XYZ(78.3789, 91.8732, 87.0011)	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(78.3789, 91.8732,
87.0011)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFE4
RGB	217, 255, 228
RGB Percent	85%, 100%, 89%
CMY	0.1490, 0.0000, 0.1059
CMYK	0.15, 0.00, 0.11, 0.00
HSL	137°, 100%, 93%
HSV	137°, 15%, 100%
XYZ	78.3789, 91.8732, 87.0011
YIQ	240.5600, -13.9810, -16.4530

Conversions

Conversions Part 2

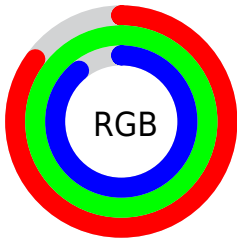
Format	Color
R_{YB}	217, 246, 255
Decimal	14286820
CIE _{Lab}	96.77, -17.20, 8.84
CIE _{LCh}	97, 19.335, 152.795
Yxy	91.8732, 0.3047, 0.3571
Android (android.graphics.Color)	4292476900 (0xFFD9FFE4)
YUV	240.5600, -6.1921, -20.6621
Hunter-Lab	95.8505, -21.7753, 13.2793

Details

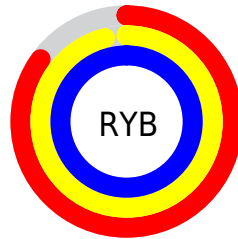
The XYZ color **78.3789, 91.8732, 87.0011** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.3824, 77.4182, 96.1890**, and the grayscale version is **83.3179, 87.6569, 95.4583**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6372, 51.0867, 47.1487** is the 20% darker color. If you saturate the color by 10%, you get **68.9907, 87.3089, 74.1132**, and if you desaturate by 10%, it is **89.2034, 97.1473, 101.3351**.

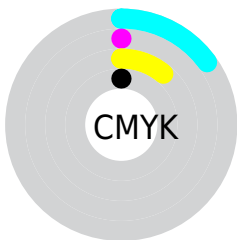
Distribution



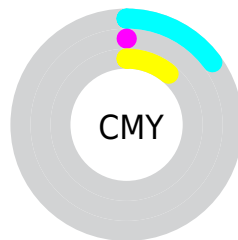
- Red (85%)
- Green (100%)
- Blue (89%)



- Red (85%)
- Yellow (96%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.3789, 91.8732, 87.0011 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 78.3789, 91.8732, 87.0011 by changing the saturation by 10% instead.


 78.3789, 91.8732,
87.0011

 78.3789, 91.8732,
87.0011


478.2728,
534.1056, 538.5428

 58.6891, 69.5353,
64.9365


130.0467,
149.9376, 145.0646

 42.6083, 51.1478,
46.9586


162.7554,
186.4330, 181.9005

 29.7711, 36.3262,
32.6488


200.5345,
228.4163, 224.4973

 19.8121, 24.6863,
21.5886

243.7493,
276.2719, 273.2734

 12.3660, 15.8435,
13.3595

292.7651,
330.3842, 328.6475

 7.0674, 9.4135,
7.5429

347.9475,

 3.5510, 5.0118,

391.1377, 391.0381

3.7204

409.6616,
458.9167, 460.8637

■ 1.4514, 2.2542,
1.4732

■ 0.2924, 0.7493,
0.1979

■ 78.3789, 91.8732,
87.0011

■ 78.3789, 91.8732,
87.0011

■ 68.9907, 87.3089,
74.1132

■ 89.2034, 97.1473,
101.3351

■ 60.9748, 83.4226,
62.6219

95.0500, 100.0000,
108.9000

■ 54.2657, 80.1814,
52.4813

■ 48.7915, 77.5494,
43.6413

■ 44.4731, 75.4868,
36.0487

■ 41.2220, 73.9490,
29.6466

■ 38.9356, 72.8847,
24.3733

■ 37.4896, 72.2310,
20.1615

■ 36.9900, 72.0120,
18.3971

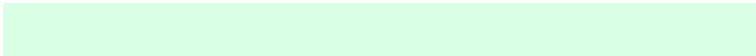
Harmonies

Analogous

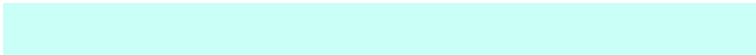
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7993, 91.8732, 76.9857



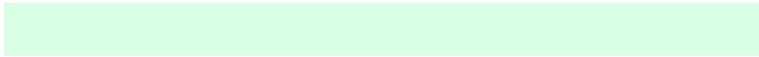
78.3789, 91.8732, 87.0011



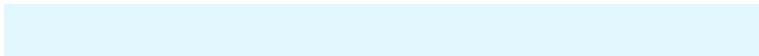
77.3225, 91.8732, 101.4964

Triad

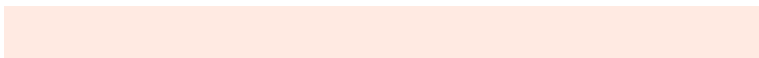
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3789, 91.8732, 87.0011



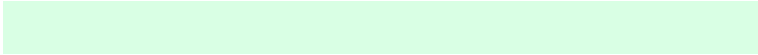
87.8318, 91.8732, 132.9015



96.3787, 91.8732, 84.7250

Complementary

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



78.3789, 91.8732, 87.0011



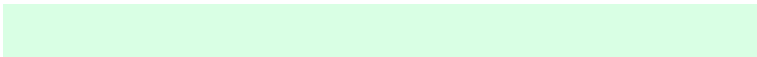
82.3824, 77.4182, 96.1890

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.



98.1500, 91.8732, 98.5863



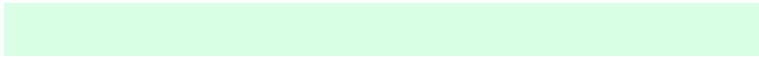
78.3789, 91.8732, 87.0011



93.0893, 91.8732, 127.2773

Square

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



78.3789, 91.8732, 87.0011



82.6447, 91.8732, 128.9934



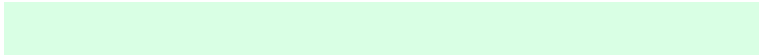
96.9223, 91.8732, 114.3081



92.1740, 91.8732, 75.7702

Rectangle

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



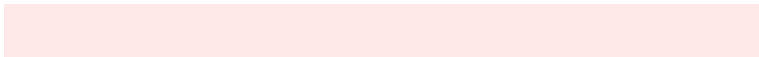
78.3789, 91.8732, 87.0011



78.0639, 91.8732, 112.0479



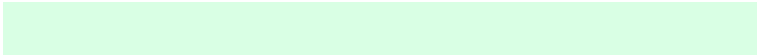
96.9223, 91.8732, 114.3081



97.2861, 91.8732, 88.9117

Sweetspot

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



78.3797, 91.8735, 87.0025



90.2514, 97.6585, 102.6992



85.6740, 95.8048, 79.6235



19.1301, 20.8115, 21.7380



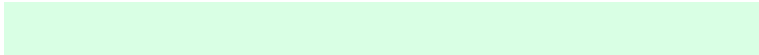
0.0000, 0.0000, 0.0000



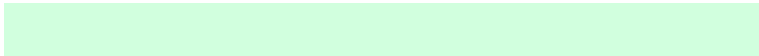
20.3446, 21.4041, 23.3091

Same Dimension

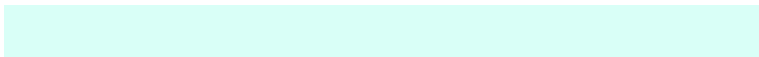
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3797, 91.8735, 87.0025



75.3197, 90.3846, 82.8562



81.1284, 92.9730, 101.4770



17.9878, 20.2547, 20.2388



19.3838, 37.6501, 9.9061



1.9323, 3.6838, 1.2012

Inverse Universe

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



82.3824, 77.4182, 96.1890



80.0488, 73.3035, 93.7080



79.6760, 76.3357, 81.9370



18.5553, 18.2054, 21.5415



25.9845, 12.8831, 24.3667



2.5775, 1.2734, 2.6224

Previews

White Background



This preview shows how the XYZ color 78.3789, 91.8732, 87.0011 looks on a white background.

Color Contrast Check

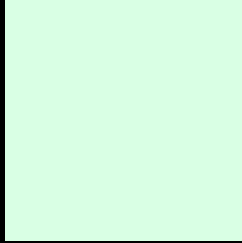
Large Text (above 18pt) WCAG AA × Fail

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 78.3789, 91.8732, 87.0011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

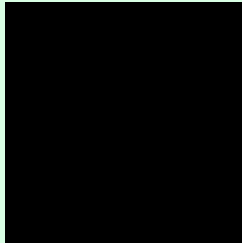
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

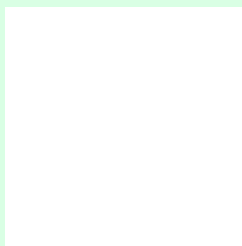
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3789, 91.8732, 87.0011

Background



This preview shows how black text looks on a background with the XYZ color 78.3789, 91.8732, 87.0011.



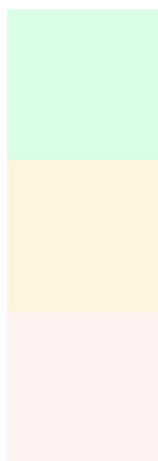
This preview shows how white text looks on a background with the XYZ color 78.3789, 91.8732,

87.0011.

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

78.3789, 91.8732, 87.0011

Protanopia

86.7755, 91.2353, 82.1439

Deuteranopia

89.1678, 91.7121, 96.2216



Tritanopia

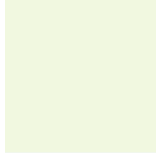
86.2358, 91.7461, 107.7714

Trichromacy



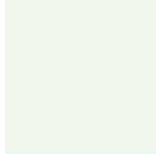
Original Color

78.3789, 91.8732, 87.0011



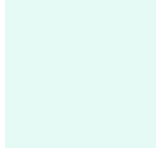
Protanomaly

83.2976, 91.2174, 83.7375



Deuteranomaly

84.6767, 91.2784, 92.5124



Tritanomaly

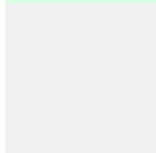
83.3002, 91.7868, 99.7124

Monochromacy



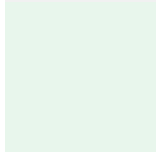
Original Color

78.3789, 91.8732, 87.0011



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.3748, 89.1235, 92.2705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3789, 91.8732, 87.0011 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(217, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 228)  
}
```

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(217, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 78.3789, 91.8732, 87.0011 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(217, 255, 228) }
```


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

```
.border{ border-color:rgb(217, 255, 228) }
```

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

Here you see how a box with a 4 pixel rgb(217, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3789, 91.8732, 87.0011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 228) }
```

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

```
.background{ background-color: rgb(217,  
255, 228) }
```

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