

Converting Colors

XYZ(78.6691, 92.2037, 78.8417)

Have a look what the booklet for
XYZ(78.6691, 92.2037, 78.8417)
contains.

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Color

**XYZ(78.5861, 92.1658,
78.6136)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFD8
RGB	223, 255, 216
RGB Percent	87%, 100%, 85%
CMY	0.1255, 0.0000, 0.1529
CMYK	0.13, 0.00, 0.15, 0.00
HSL	109°, 100%, 92%
HSV	109°, 15%, 100%
XYZ	78.5861, 92.1658, 78.6136
YIQ	240.9860, -6.5530, -18.9130

Conversions

Conversions Part 2

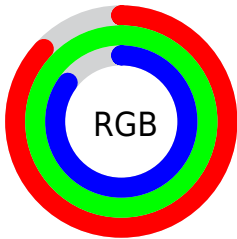
Format	Color
R _Y B	216, 255, 248
Decimal	14680024
CIE Lab	96.89, -17.30, 15.21
CIE LCh	97, 23.036, 138.672
Yxy	92.1658, 0.3151, 0.3696
Android (android.graphics.Color)	4292870104 (0xFFDFFFD8)
YUV	240.9860, -12.3181, -15.7737
Hunter-Lab	96.0030, -21.8889, 18.6516

Details

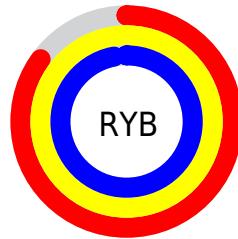
The XYZ color **78.5861, 92.1658, 78.6136** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.3180, 76.2894, 105.0471**, and the grayscale version is **83.6952, 88.0539, 95.8907**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7756, 51.2862, 41.3629** is the 20% darker color. If you saturate the color by 10%, you get **69.4875, 87.8272, 62.2933**, and if you desaturate by 10%, it is **88.9944, 97.1205, 97.6684**.

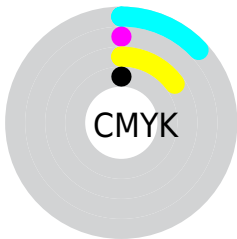
Distribution



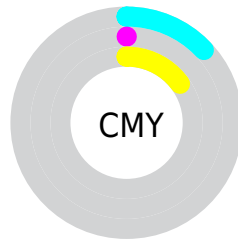
- Red (87%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5861, 92.1658, 78.6136 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 78.5861, 92.1658, 78.6136 by changing the saturation by 10% instead.

 78.5861, 92.1658,
78.6136

 78.5861, 92.1658,
78.6136


478.9644,
535.0512, 509.8312

 58.8600, 69.7783,
58.0587


130.3370,
150.3432, 133.2085

 42.7464, 51.3459,
41.4409


163.0926,
186.9019, 168.0856

 29.8798, 36.4839,
28.3414


200.9220,
228.9531, 208.5738

 19.8950, 24.8082,
18.3419

244.1906,
276.8813, 255.0917

 12.4266, 15.9342,
11.0238

293.2638,
331.0708, 308.0579

 7.1091, 9.4776,
5.9684

348.5069,

 3.5774, 5.0540,

391.9060, 367.8908

2.7574

410.2854,
459.7714, 435.0091

■ 1.4659, 2.2790,
0.9721

■ 0.3025, 0.7625,
0.0000

■ 78.5861, 92.1658,
78.6136

■ 78.5861, 92.1658,
78.6136

■ 69.4875, 87.8272,
62.2933

■ 88.9944, 97.1205,
97.6684

■ 61.6441, 84.0792,
48.5782

95.0500, 100.0000,
108.9000

■ 55.0006, 80.8963,
37.3346

■ 49.4964, 78.2505,
28.4153

■ 45.0660, 76.1115,
21.6577

■ 41.6364, 74.4457,
16.8779

■ 39.1253, 73.2154,
13.8618

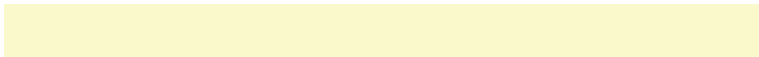
■ 37.4359, 72.3763,
12.3448

■ 36.8763, 72.0955,
11.9722

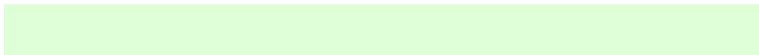
Harmonies

Analogous

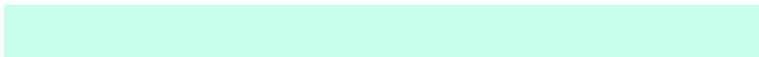
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6778, 92.1658, 70.2397



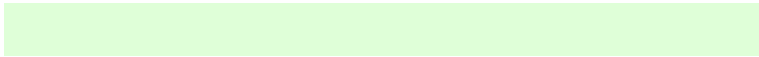
78.5861, 92.1658, 78.6136



75.9590, 92.1658, 93.5151

Triad

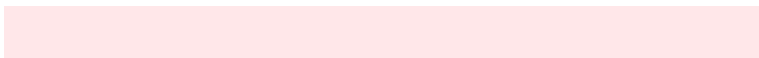
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5861, 92.1658, 78.6136



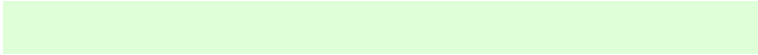
85.1795, 92.1658, 139.5022



99.9243, 92.1658, 89.3722

Complementary

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



78.5861, 92.1658, 78.6136



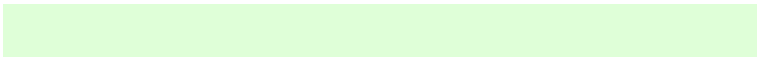
81.3180, 76.2894, 105.0471

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.



100.3752, 92.1658, 107.5161



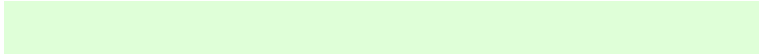
78.5861, 92.1658, 78.6136



91.6446, 92.1658, 138.0362

Square

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



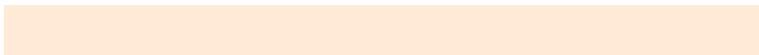
78.5861, 92.1658, 78.6136



79.6388, 92.1658, 129.5590



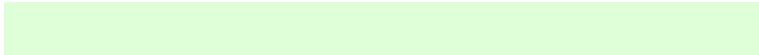
97.2799, 92.1658, 125.7704



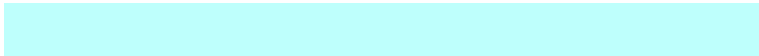
96.0765, 92.1658, 75.9031

Rectangle

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



78.5861, 92.1658, 78.6136



75.8680, 92.1658, 105.8216



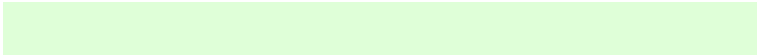
97.2799, 92.1658, 125.7704



100.4849, 92.1658, 95.0759

Sweetspot

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



78.5868, 92.1662, 78.6150



89.3199, 97.2754, 98.2698



87.1564, 93.2608, 78.3746



18.9516, 20.7417, 20.7263



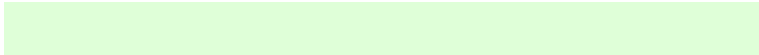
0.0000, 0.0000, 0.0000



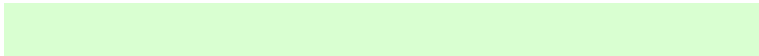
20.3446, 21.4041, 23.3091

Same Dimension

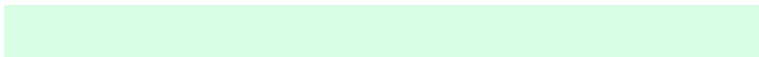
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5868, 92.1662, 78.6150



75.9969, 90.9320, 73.9327



78.1319, 91.7402, 87.2445



18.0755, 20.3248, 19.1147



19.3558, 37.7164, 6.2598



1.9633, 3.7129, 0.6132

Inverse Universe

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



81.3180, 76.2894, 105.0471



79.1488, 72.6009, 104.4495



81.9213, 76.8228, 95.0282



18.4541, 18.1258, 22.7759



23.3214, 10.9331, 50.3157



2.3504, 1.1056, 4.9028

Previews

White Background



This preview shows how the XYZ color 78.5861, 92.1658, 78.6136 looks on a white background.

Color Contrast Check

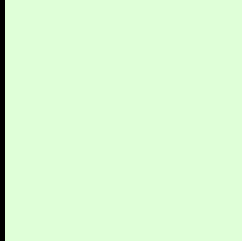
Large Text (above 18pt) WCAG AA × Fail

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 78.5861, 92.1658, 78.6136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

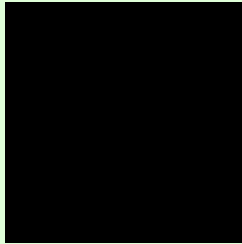
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

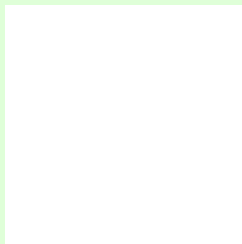
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5861, 92.1658, 78.6136

Background



This preview shows how black text looks on a background with the XYZ color 78.5861, 92.1658, 78.6136.



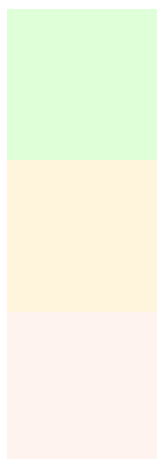
This preview shows how white text looks on a background with the XYZ color 78.5861, 92.1658,

78.6136.

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

78.5861, 92.1658, 78.6136

Protanopia

86.8107, 91.7321, 80.8408

Deuteranopia

88.8706, 91.5932, 94.6566

Tritanopia

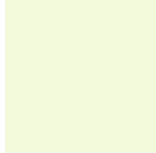
87.2459, 92.2668, 107.8187

Trichromacy



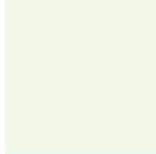
Original Color

78.5861, 92.1658, 78.6136



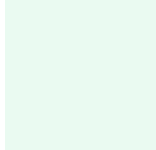
Protanomaly

83.6240, 91.9205, 80.3528



Deuteranomaly

84.6467, 91.3457, 88.7714



Tritanomaly

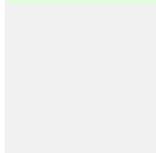
83.9945, 92.2145, 96.5913

Monochromacy



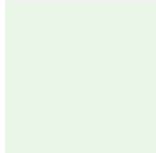
Original Color

78.5861, 92.1658, 78.6136



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.4529, 89.2302, 89.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5861, 92.1658, 78.6136 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, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 216)  
}
```

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, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 78.5861, 92.1658, 78.6136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

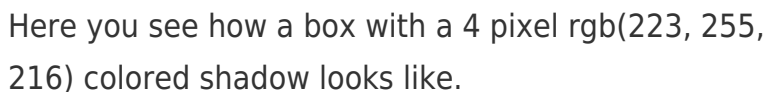
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 255, 216) }
```


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

```
.border{ border-color:rgb(223, 255, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(223, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 255, 216); box-shadow:4px 4px 4px 4px rgb(223, 255, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5861, 92.1658, 78.6136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 216) }
```

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

```
.background{ background-color: rgb(223,  
255, 216) }
```

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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