

Converting Colors

XYZ(89.3344, 113.2849,
93.9254)

Have a look what the booklet for
XYZ(89.3344, 113.2849, 93.9254)
contains.

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Color

**XYZ(78.7869, 92.0021,
90.6965)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFE9
RGB	216, 255, 233
RGB Percent	85%, 100%, 91%
CMY	0.1529, 0.0000, 0.0863
CMYK	0.15, 0.00, 0.09, 0.00
HSL	146°, 100%, 92%
HSV	146°, 15%, 100%
XYZ	78.7869, 92.0021, 90.6965
YIQ	240.8310, -16.1820, -15.1100

Conversions

Conversions Part 2

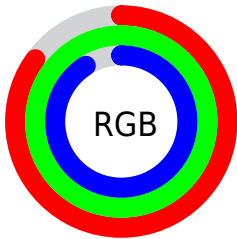
Format	Color
R _Y B	216, 243, 255
Decimal	14221289
CIE Lab	96.82, -16.61, 6.34
CIE LCh	97, 17.780, 159.112
Yxy	92.0021, 0.3013, 0.3518
Android (android.graphics.Color)	4292411369 (0xFFD8FFE9)
YUV	240.8310, -3.8607, -21.7768
Hunter-Lab	95.9177, -21.2360, 11.0798

Details

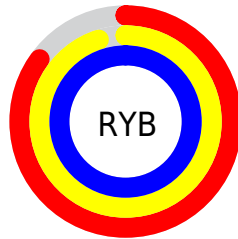
The XYZ color **78.7869, 92.0021, 90.6965** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.2290, 76.5458, 91.3825**, and the grayscale version is **83.5143, 87.8636, 95.6835**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8278, 51.1396, 49.2086** is the 20% darker color. If you saturate the color by 10%, you get **69.8567, 87.6263, 79.9861**, and if you desaturate by 10%, it is **89.0554, 97.0485, 102.3468**.

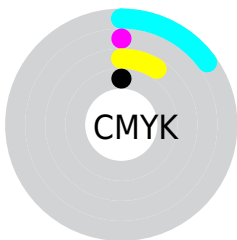
Distribution



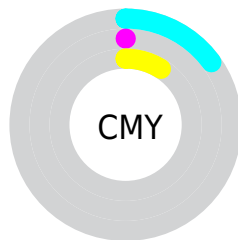
- Red (85%)
- Green (100%)
- Blue (91%)



- Red (85%)
- Yellow (95%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7869, 92.0021, 90.6965 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 78.7869, 92.0021, 90.6965 by changing the saturation by 10% instead.


 78.7869, 92.0021,
90.6965

 78.7869, 92.0021,
90.6965


479.6342,
534.5223, 550.9224

 59.0256, 69.6424,
67.9815

130.6183,
150.1163, 150.2494

 42.8802, 51.2350,
49.4161

163.4192,
186.6396, 187.9245

 29.9853, 36.3957,
34.5817

201.2973,
228.6528, 231.4233

 19.9754, 24.7400,
23.0599

244.6181,
276.5404, 281.1643

 12.4853, 15.8834,
14.4320

293.7468,
330.6868, 337.5662

 7.1497, 9.4417,
8.2796

349.0488,

 3.6030, 5.0304,

391.4763, 401.0475

4.1840

410.8895,
459.2933, 472.0267

■ 1.4801, 2.2651,
1.7268

■ 0.3122, 0.7551,
0.3790

■ 78.7869, 92.0021,
90.6965

■ 78.7869, 92.0021,
90.6965

■ 69.8567, 87.6263,
79.9861

■ 89.0554, 97.0485,
102.3468

■ 62.2046, 83.8904,
70.1878

95.0500, 100.0000,
108.9000

■ 55.7693, 80.7634,
61.2787

■ 50.4834, 78.2110,
53.2332

■ 46.2724, 76.1954,
46.0244

■ 43.0528, 74.6739,
39.6239

■ 40.7274, 73.5972,
34.0016

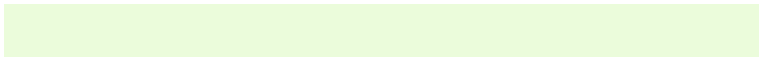
■ 39.1775, 72.9045,
29.1247

■ 38.6380, 72.6712,
27.0755

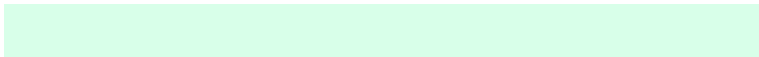
Harmonies

Analogous

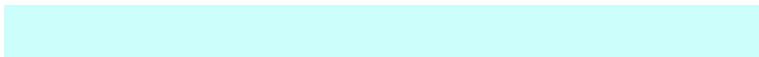
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5332, 92.0021, 80.3370



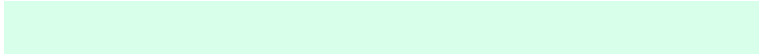
78.7869, 92.0021, 90.6965



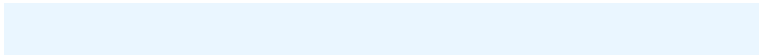
78.3127, 92.0021, 104.5879

Triad

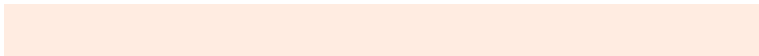
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7869, 92.0021, 90.6965



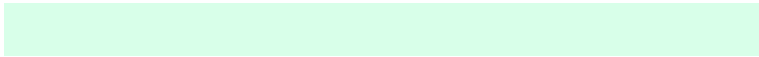
88.9729, 92.0021, 129.8182



95.1004, 92.0021, 83.8263

Complementary

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



78.7869, 92.0021, 90.6965



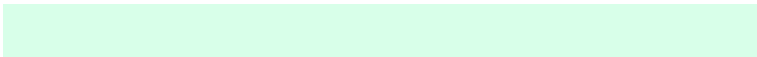
81.2290, 76.5458, 91.3825

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.



97.2615, 92.0021, 95.8873



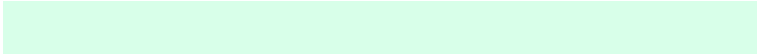
78.7869, 92.0021, 90.6965



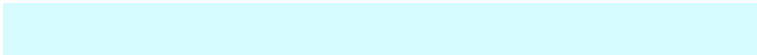
93.6364, 92.0021, 123.0354

Square

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



78.7869, 92.0021, 90.6965



84.0699, 92.0021, 128.0920



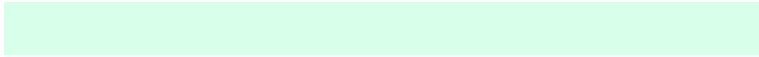
96.7158, 92.0021, 110.2911



90.9097, 92.0021, 76.6403

Rectangle

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



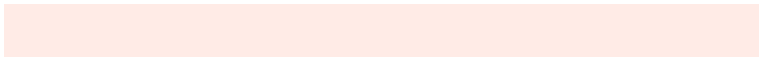
78.7869, 92.0021, 90.6965



79.3304, 92.0021, 114.1417



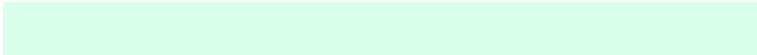
96.7158, 92.0021, 110.2911



96.0954, 92.0021, 87.3961

Sweetspot

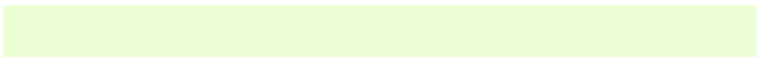
The Sweet Spot groups the original color and five complimentary colors.



78.7877, 92.0025, 90.6980



89.3773, 97.2069, 102.7029



83.4487, 94.6726, 78.8425



18.9658, 20.7253, 21.8004



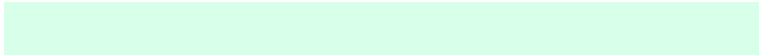
0.0000, 0.0000, 0.0000



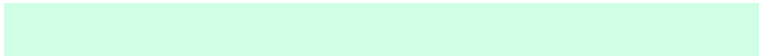
20.3446, 21.4041, 23.3091

Same Dimension

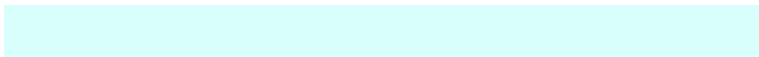
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7877, 92.0025, 90.6980



76.2408, 90.7531, 87.7071



81.7137, 93.1729, 106.1057



18.1004, 20.2997, 20.8317



20.2610, 38.0010, 14.5257



2.0264, 3.7215, 1.6970

Inverse Universe

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



81.2290, 76.5458, 91.3825



79.0591, 72.9077, 88.4964



78.5302, 75.4663, 77.1708



18.4386, 18.1587, 20.9267



24.2492, 12.1890, 15.2286



2.4160, 1.2088, 1.7719

Previews

White Background



This preview shows how the XYZ color 78.7869, 92.0021, 90.6965 looks on a white background.

Color Contrast Check

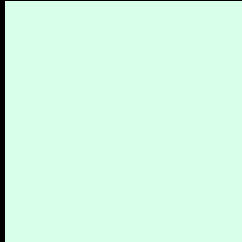
Large Text (above 18pt) WCAG AA × Fail

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 78.7869, 92.0021, 90.6965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

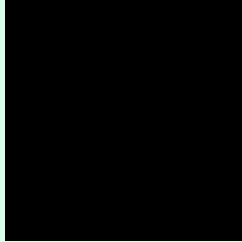
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

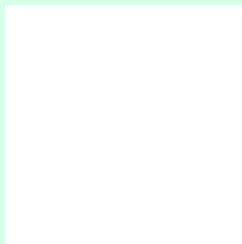
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7869, 92.0021, 90.6965

Background



This preview shows how black text looks on a background with the XYZ color 78.7869, 92.0021, 90.6965.



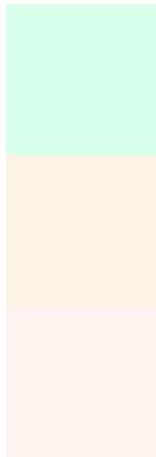
This preview shows how white text looks on a background with the XYZ color 78.7869, 92.0021,

90.6965.

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

78.7869, 92.0021, 90.6965

Protanopia

87.0889, 91.3182, 85.7092

Deuteranopia

89.3176, 91.7720, 97.0106



Tritanopia

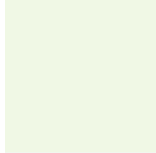
86.2358, 91.7461, 107.7714

Trichromacy



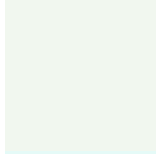
Original Color

78.7869, 92.0021, 90.6965



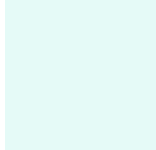
Protanomaly

83.6454, 91.3172, 87.3461



Deuteranomaly

85.1164, 91.4543, 94.8277



Tritanomaly

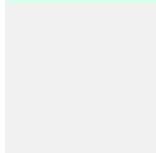
83.2872, 91.7446, 101.3145

Monochromacy



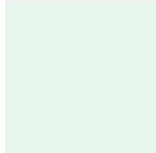
Original Color

78.7869, 92.0021, 90.6965



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.6671, 89.2404, 93.8097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7869, 92.0021, 90.6965 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(216, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 233)  
}
```

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(216, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 78.7869, 92.0021, 90.6965 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(216, 255, 233) }
```


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

```
.border{ border-color:rgb(216, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7869, 92.0021, 90.6965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 233) }
```

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

```
.background{ background-color: rgb(216,  
255, 233) }
```

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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