

Converting Colors

XYZ(78.7331, 90.6834,
102.2055)

Have a look what the booklet for
XYZ(78.7331, 90.6834, 102.2055)
contains.

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Color

**XYZ(78.6469, 90.7295,
102.1744)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FDF8
RGB	210, 253, 248
RGB Percent	82%, 99%, 97%
CMY	0.1765, 0.0078, 0.0274
CMYK	0.17, 0.00, 0.02, 0.01
HSL	173°, 92%, 91%
HSV	173°, 17%, 99%
XYZ	78.6469, 90.7295, 102.1744
YIQ	239.5730, -24.0230, -10.6710

Conversions

Conversions Part 2

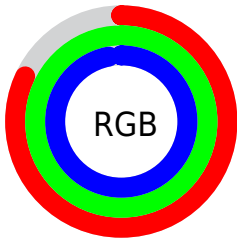
Format	Color
R _Y B	210, 233, 253
Decimal	13827576
CIE Lab	96.30, -14.64, -2.19
CIE LCh	96, 14.799, 188.498
Yxy	90.7295, 0.2896, 0.3341
Android (android.graphics.Color)	4292017656 (0xFFD2FDF8)
YUV	239.5730, 4.1545, -25.9355
Hunter-Lab	95.2520, -19.3087, 3.0776

Details

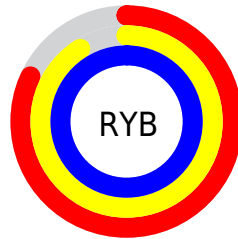
The XYZ color **78.6469, 90.7295, 102.1744** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8236, 71.8846, 74.1726**, and the grayscale version is **82.4749, 86.7700, 94.4925**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7719, 50.2542, 57.3149** is the 20% darker color. If you saturate the color by 10%, you get **71.5530, 87.1272, 99.4787**, and if you desaturate by 10%, it is **86.8920, 94.9292, 104.9653**.

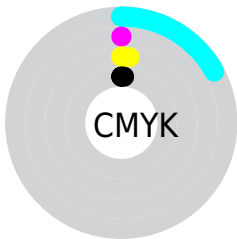
Distribution



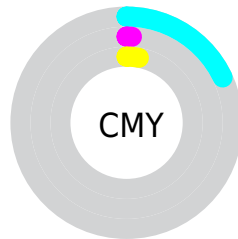
- Red (82%)
- Green (99%)
- Blue (97%)



- Red (82%)
- Yellow (91%)
- Blue (99%)



- Cyan (17%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)





- Cyan (18%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6469, 90.7295, 102.1744 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 78.6469, 90.7295, 102.1744 by changing the saturation by 10% instead.


 78.6469, 90.7295,
102.1744

 78.6469, 90.7295,
102.1744


479.1673,
530.4010, 588.4478

 58.9102, 68.5858,
77.4907


130.4222,
148.3513, 166.2200

 42.7869, 50.3745,
57.1418


163.1915,
184.5982, 206.4190

 29.9117, 35.7111,
40.7089


201.0356,
226.3150, 252.6268

 19.9193, 24.2111,
27.7737

244.3201,
273.8861, 305.2621

 12.4444, 15.4903,
17.9176

293.4101,
327.6958, 364.7433

 7.1214, 9.1642,
10.7220

348.6710,

 3.5851, 4.8484,

388.1286, 431.4889

5.7684

410.4683,
455.5689, 505.9176

■ 1.4702, 2.1586,
2.6383

■ 0.3054, 0.6973,
0.9121

■ 78.6469, 90.7295,
102.1744

■ 78.6469, 90.7295,
102.1744

■ 71.5530, 87.1272,
99.4787

■ 86.8920, 94.9292,
104.9653

■ 65.5489, 84.0836,
96.8695

■ 94.2386, 98.6625,
107.7498

■ 60.5797, 81.5726,
94.3458

■ 94.4169, 98.7338,
108.6890

■ 56.5824, 79.5617,
91.9047

■ 53.4870, 78.0151,
89.5425

■ 51.2141, 76.8916,
87.2555

■ 49.6707, 76.1435,
85.0391

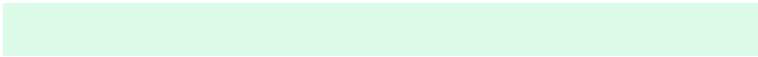
■ 48.7380, 75.7093,
82.8876

■ 48.5230, 75.6123,
82.2515

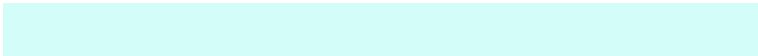
Harmonies

Analogous

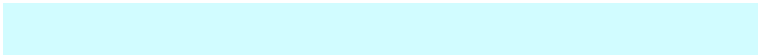
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0837, 90.7295, 90.7163



78.6469, 90.7295, 102.1744



80.1922, 90.7295, 113.5717

Triad

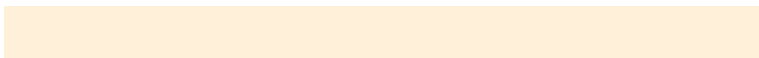
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6469, 90.7295, 102.1744



91.2537, 90.7295, 117.5997



89.1675, 90.7295, 79.1759

Complementary

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



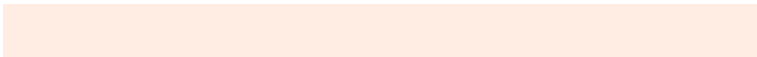
78.6469, 90.7295, 102.1744



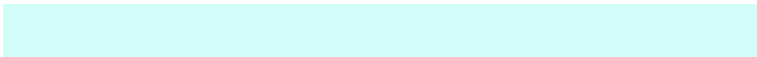
75.8236, 71.8846, 74.1726

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.



92.5754, 90.7295, 85.3482



78.6469, 90.7295, 102.1744



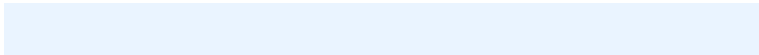
93.8063, 90.7295, 107.3270

Square

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



78.6469, 90.7295, 102.1744



87.4098, 90.7295, 122.9297



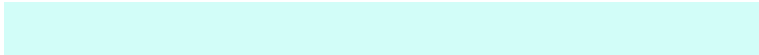
94.2975, 90.7295, 95.4792



85.0721, 90.7295, 78.0357

Rectangle

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



78.6469, 90.7295, 102.1744



82.1682, 90.7295, 119.3895



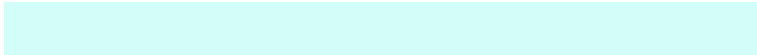
94.2975, 90.7295, 95.4792



90.4352, 90.7295, 80.7060

Sweetspot

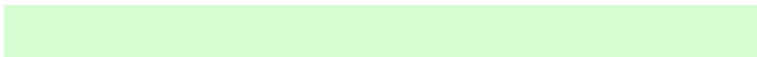
The Sweet Spot groups the original color and five complimentary colors.



78.6495, 90.7333, 102.1764



90.2759, 97.5663, 107.4347



74.7901, 89.3571, 74.2801



19.1844, 20.8127, 22.9518



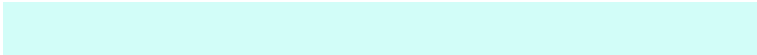
0.0000, 0.0000, 0.0000



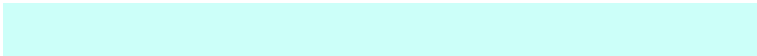
20.3446, 21.4041, 23.3091

Same Dimension

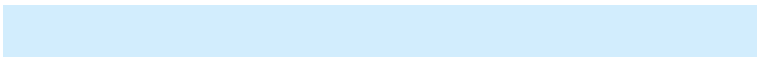
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6495, 90.7333, 102.1764



77.7710, 91.2011, 103.1812



74.4551, 81.0854, 104.6597



18.4585, 20.4429, 22.7173



25.8466, 40.2352, 43.9391



2.5413, 3.9274, 4.4083

Inverse Universe

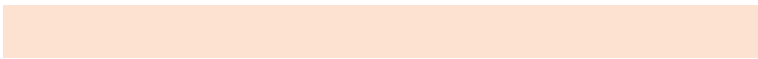
The Inverse Universe completely reimagines the original color for something new.



75.8236, 71.8846, 74.1726



74.4575, 69.0956, 70.3420



79.4720, 80.1947, 72.2648



18.0953, 18.0214, 19.1190



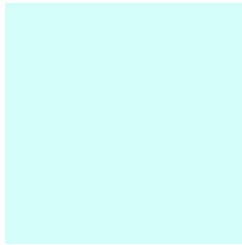
21.6960, 11.1677, 1.7839



2.1388, 1.0979, 0.3122

Previews

White Background



This preview shows how the XYZ color 78.6469, 90.7295, 102.1744 looks on a white background.

Color Contrast Check

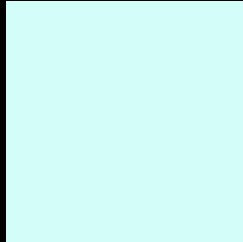
Large Text (above 18pt) WCAG AA × Fail

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 78.6469, 90.7295, 102.1744 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 78.6469, 90.7295, 102.1744

Background



This preview shows how black text looks on a background with the XYZ color 78.6469, 90.7295, 102.1744.

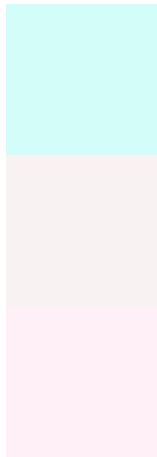


This preview shows how white text looks on a background with the XYZ color 78.6469, 90.7295,

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

78.6469, 90.7295, 102.1744

Protanopia

86.7890, 90.4684, 96.8923

Deuteranopia

89.3434, 90.3575, 101.5388



Tritanopia

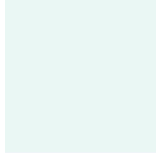
84.2845, 90.2873, 107.5927

Trichromacy



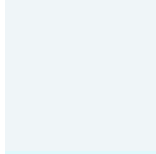
Original Color

78.6469, 90.7295, 102.1744



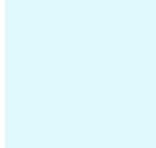
Protanomaly

83.5216, 90.5456, 98.6629



Deuteranomaly

85.1923, 90.4328, 101.7721



Tritanomaly

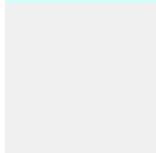
82.1868, 90.6269, 105.2565

Monochromacy



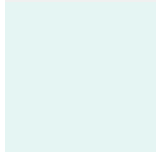
Original Color

78.6469, 90.7295, 102.1744



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.1432, 88.4339, 97.5868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6469, 90.7295, 102.1744 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(210, 253, 248)` looks like.

```
.text, #text, p{  
    color:rgb(210, 253, 248)  
}
```

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(210, 253, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 253, 248) }
```

Border

The CSS property to change the border of an element to XYZ 78.6469, 90.7295, 102.1744 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(210, 253, 248) }
```


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

```
.border{ border-color:rgb(210, 253, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 253, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 253, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 253, 248);  
box-shadow:4px 4px 4px 4px rgb(210, 253,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6469, 90.7295, 102.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 253, 248) }
```

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

```
.background{ background-color: rgb(210,  
253, 248) }
```

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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