

Converting Colors

XYZ(72.8792, 88.9586, 90.3296)

Have a look what the booklet for
XYZ(72.8792, 88.9586, 90.3296)
contains.

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Color

**XYZ(72.9737, 89.0053,
90.4244)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FFE9
RGB	195, 255, 233
RGB Percent	76%, 100%, 91%
CMY	0.2353, 0.0000, 0.0863
CMYK	0.24, 0.00, 0.09, 0.00
HSL	158°, 100%, 88%
HSV	158°, 24%, 100%
XYZ	72.9737, 89.0053, 90.4244
YIQ	234.5520, -28.6980, -19.5620

Conversions

Conversions Part 2

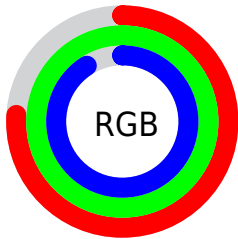
Format	Color
RYB	195, 232, 255
Decimal	12845033
CIELab	95.58, -23.12, 4.39
CIElCh	96, 23.534, 169.244
Yxy	89.0053, 0.2891, 0.3526
Android (android.graphics.Color)	4291035113 (0xFFC3FFE9)
YUV	234.5520, -0.7651, -34.6871
Hunter-Lab	94.3426, -27.0304, 9.2123

Details

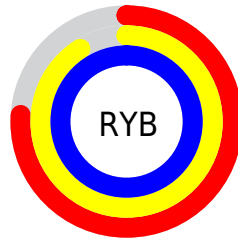
The XYZ color **72.9737, 89.0053, 90.4244** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.2801, 65.3011, 74.3882**, and the grayscale version is **78.6462, 82.7419, 90.1059**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **38.9451, 49.1379, 49.0269** is the 20% darker color. If you saturate the color by 10%, you get **65.6376, 85.3737, 83.2933**, and if you desaturate by 10%, it is **81.5074, 93.2461, 97.9838**.

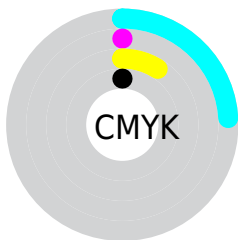
Distribution



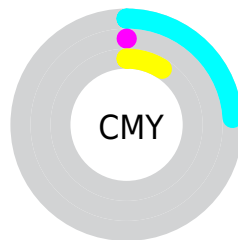
- Red (76%)
- Green (100%)
- Blue (91%)



- Red (76%)
- Yellow (91%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9737, 89.0053, 90.4244 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 72.9737, 89.0053, 90.4244 by changing the saturation by 10% instead.


 72.9737, 89.0053,
90.4244

 72.9737, 89.0053,
90.4244


460.0289,
524.7898, 550.0161

 54.2428, 67.1559,
67.7570


 122.4432,
145.9559, 149.8684

 39.0272, 49.2114,
49.2346


153.9125,
181.8260, 187.4821

 26.9617, 34.7872,
34.4387


190.3586,
223.1384, 230.9150

 17.6809, 23.4990,
22.9507

232.1469,
270.2776, 280.5856

 10.8194, 14.9624,
14.3522

279.6427,
323.6280, 336.9125

 6.0119, 8.7930,
8.2245

333.2114,

 2.8931, 4.6064,

383.5738, 400.3142

4.1491

393.2183,
450.4996, 471.2092

■ 1.0975, 2.0182,
1.7075

■ 0.0230, 0.6180,
0.3659

■ 72.9737, 89.0053,
90.4244

■ 72.9737, 89.0053,
90.4244

■ 65.6376, 85.3737,
83.2933

■ 81.5074, 93.2461,
97.9838

■ 59.4383, 82.3200,
76.5778

■ 91.2903, 98.1226,
105.9753

■ 54.3134, 79.8123,
70.2706

■ 95.0500, 100.0000,
108.9000

■ 50.1932, 77.8148,
64.3625

■ 46.9993, 76.2871,
58.8438

■ 44.6412, 75.1828,
53.7039

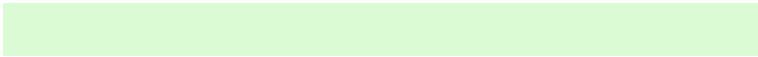
■ 43.0088, 74.4452,
48.9312

■ 42.2376, 74.1110,
46.0305

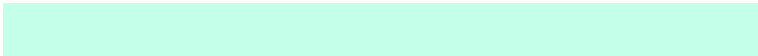
Harmonies

Analogous

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



75.5343, 89.0053, 75.4979



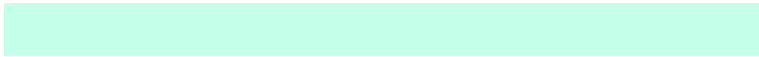
72.9737, 89.0053, 90.4244



73.4056, 89.0053, 109.1126

Triad

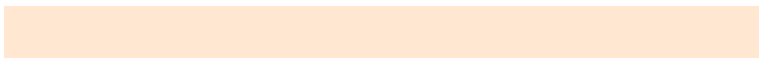
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9737, 89.0053, 90.4244



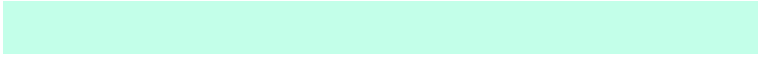
88.7562, 89.0053, 134.5173



92.9659, 89.0053, 72.3903

Complementary

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



72.9737, 89.0053, 90.4244



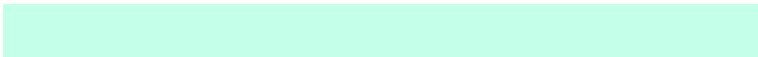
73.2801, 65.3011, 74.3882

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.



96.8714, 89.0053, 85.6559



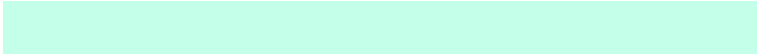
72.9737, 89.0053, 90.4244



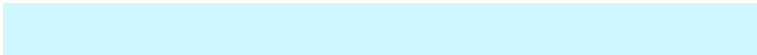
94.3568, 89.0053, 122.0340

Square

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



72.9737, 89.0053, 90.4244



82.3003, 89.0053, 136.2197



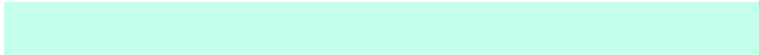
97.3930, 89.0053, 103.7020



86.9358, 89.0053, 66.0020

Rectangle

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



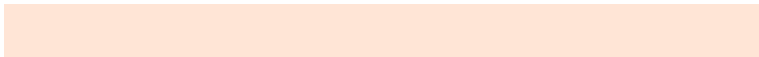
72.9737, 89.0053, 90.4244



75.3391, 89.0053, 121.1973



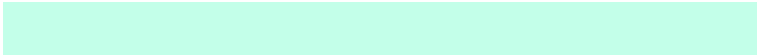
97.3930, 89.0053, 103.7020



94.5836, 89.0053, 76.1084

Sweetspot

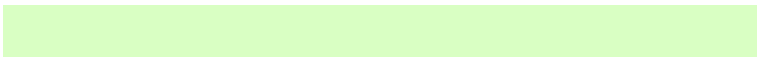
The Sweet Spot groups the original color and five complimentary colors.



72.9746, 89.0057, 90.4259



87.7492, 96.3560, 103.1514



74.2264, 90.2122, 65.1318



18.6535, 20.5601, 21.9747



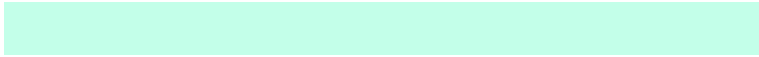
0.0000, 0.0000, 0.0000



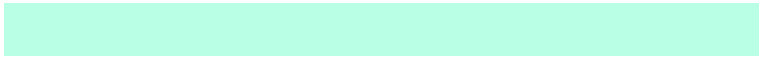
20.3446, 21.4041, 23.3091

Same Dimension

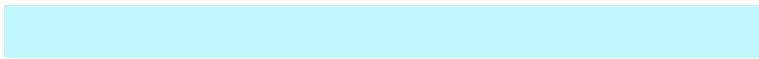
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9746, 89.0057, 90.4259



69.5494, 87.3082, 87.1844



73.8172, 85.3442, 107.1902



18.2557, 20.3618, 21.6496



22.1444, 38.7544, 24.4436



2.2088, 3.7944, 2.6572

Inverse Universe

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



73.2801, 65.3011, 74.3882



69.9028, 60.0172, 68.7286



72.4471, 67.9131, 60.9214



18.2847, 18.0972, 20.1162



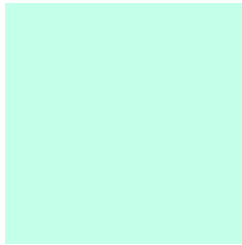
22.6581, 11.5525, 6.8502



2.2566, 1.1450, 0.9325

Previews

White Background



This preview shows how the XYZ color 72.9737, 89.0053, 90.4244 looks on a white background.

Color Contrast Check

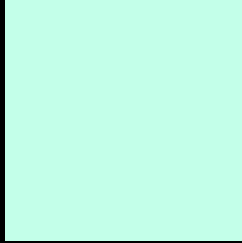
Large Text (above 18pt) WCAG AA × Fail

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 72.9737, 89.0053, 90.4244 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

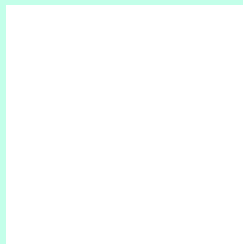
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9737, 89.0053, 90.4244

Background



This preview shows how black text looks on a background with the XYZ color 72.9737, 89.0053, 90.4244.



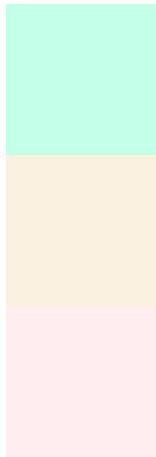
This preview shows how white text looks on a background with the XYZ color 72.9737, 89.0053,

90.4244.

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

72.9737, 89.0053, 90.4244

Protanopia

84.4702, 88.6708, 83.8973

Deuteranopia

87.1042, 88.0604, 94.0678



Tritanopia

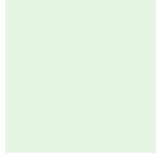
81.4429, 88.3721, 107.3728

Trichromacy



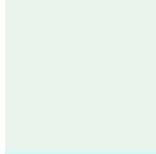
Original Color

72.9737, 89.0053, 90.4244



Protanomaly

79.5925, 88.3360, 86.2544



Deuteranomaly

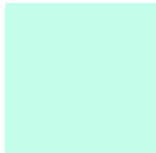
81.2410, 88.1394, 92.8515



Tritanomaly

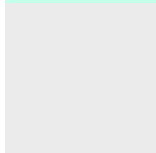
78.1048, 88.6129, 100.9831

Monochromacy



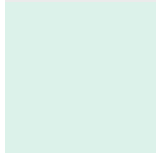
Original Color

72.9737, 89.0053, 90.4244



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.1186, 84.6604, 90.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9737, 89.0053, 90.4244 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(195, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.9737, 89.0053, 90.4244 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(195, 255, 233) }
```


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

```
.border{ border-color:rgb(195, 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(195, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 255, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 255, 233); box-shadow:4px 4px 4px 4px rgb(195, 255, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9737, 89.0053, 90.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 233) }
```

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

```
.background{ background-color: rgb(195,  
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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