

Converting Colors

XYZ(73.0538, 83.8701, 91.9729)

Have a look what the booklet for
XYZ(73.0538, 83.8701, 91.9729)
contains.

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Color

**XYZ(72.9446, 83.8793,
91.7026)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF4EC
RGB	206, 244, 236
RGB Percent	81%, 96%, 93%
CMY	0.1921, 0.0431, 0.0745
CMYK	0.16, 0.00, 0.03, 0.04
HSL	167°, 63%, 88%
HSV	167°, 16%, 96%
XYZ	72.9446, 83.8793, 91.7026
YIQ	231.7260, -20.0800, -10.5440

Conversions

Conversions Part 2

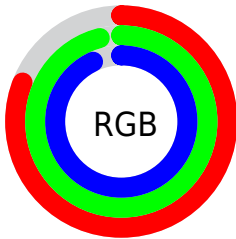
Format	Color
R _{YB}	206, 227, 244
Decimal	13563116
CIE Lab	93.40, -13.77, -0.26
CIE LCh	93, 13.768, 181.065
Yxy	83.8793, 0.2935, 0.3375
Android (android.graphics.Color)	4291753196 (0xFFCEF4EC)
YUV	231.7260, 2.1071, -22.5617
Hunter-Lab	91.5856, -18.1062, 4.7442

Details

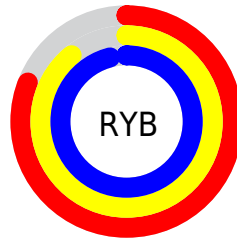
The XYZ color **72.9446, 83.8793, 91.7026** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.5201, 68.2330, 73.0228**, and the grayscale version is **76.4944, 80.4780, 87.6406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9839, 45.8410, 49.9735** is the 20% darker color. If you saturate the color by 10%, you get **65.9541, 80.3629, 87.5353**, and if you desaturate by 10%, it is **81.0129, 87.9534, 96.0360**.

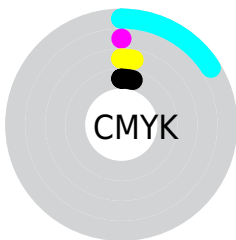
Distribution



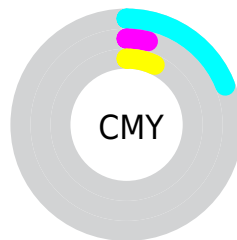
- Red (81%)
- Green (96%)
- Blue (93%)



- Red (81%)
- Yellow (89%)
- Blue (96%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)



- Cyan (19%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9446, 83.8793, 91.7026 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 72.9446, 83.8793, 91.7026 by changing the saturation by 10% instead.

72.9446, 83.8793,
91.7026

72.9446, 83.8793,
91.7026

459.9295,
507.9123, 554.2663

54.2189, 62.9158,
68.8120

122.4021,
138.8063, 151.6573

39.0080, 45.7731,
50.0878

153.8646,
173.5386, 189.5584

26.9467, 32.0668,
35.1115

190.3034,
213.6293, 233.3001

17.6696, 21.4125,
23.4645

232.0839,
259.4628, 283.3009

10.8113, 13.4259,
14.7284

279.5714,
311.4234, 339.9794

6.0064, 7.7225,
8.4845

333.1313,

2.8897, 3.9179,

369.8956, 403.7541

4.3143

393.1289,
435.2638, 475.0436

■ 1.0957, 1.6277,
1.7993

■ 0.0215, 0.3762,
0.4275

■ 72.9446, 83.8793,
91.7026

■ 72.9446, 83.8793,
91.7026

■ 65.9541, 80.3629,
87.5353

■ 81.0129, 87.9534,
96.0360

■ 59.9858, 77.3687,
83.5253

■ 90.1973, 92.5981,
100.5329

■ 54.9896, 74.8732,
79.6712

■ 91.0708, 92.9559,
104.7549

■ 50.9086, 72.8470,
75.9691

■ 91.6422, 93.1844,
107.7641

■ 47.6796, 71.2578,
72.4153

■ 45.2315, 70.0686,
69.0055

■ 43.4810, 69.2368,
65.7347

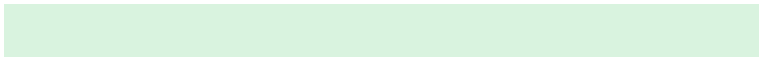
■ 42.3257, 68.7095,
62.5971

■ 41.9353, 68.5377,
61.2477

Harmonies

Analogous

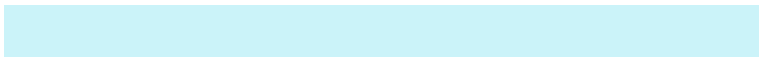
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7681, 83.8793, 81.9920



72.9446, 83.8793, 91.7026



73.8914, 83.8793, 102.0438

Triad

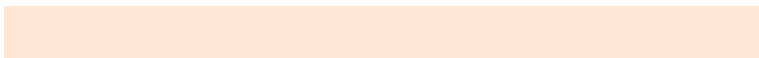
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9446, 83.8793, 91.7026



83.3827, 83.8793, 109.5548



83.1513, 83.8793, 74.9217

Complementary

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



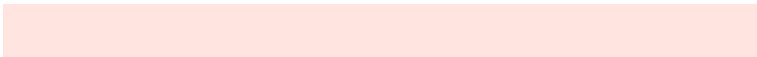
72.9446, 83.8793, 91.7026



71.5201, 68.2330, 73.0228

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.



85.8573, 83.8793, 81.3942



72.9446, 83.8793, 91.7026



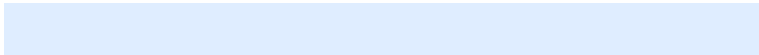
85.9937, 83.8793, 101.3520

Square

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



72.9446, 83.8793, 91.7026



79.8546, 83.8793, 112.8210



86.9126, 83.8793, 90.9590



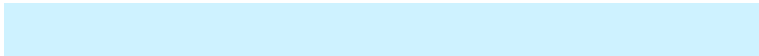
79.5950, 83.8793, 72.7582

Rectangle

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



72.9446, 83.8793, 91.7026



75.4163, 83.8793, 107.7870



86.9126, 83.8793, 90.9590



84.1943, 83.8793, 76.6401

Sweetspot

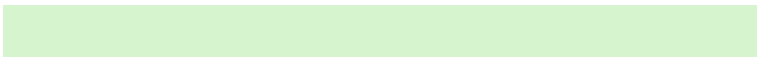
The Sweet Spot groups the original color and five complimentary colors.



72.9470, 83.8828, 91.7045



90.0845, 97.4898, 106.4267



71.2936, 83.4925, 70.7520



19.1378, 20.7941, 22.7061



0.0000, 0.0000, 0.0000



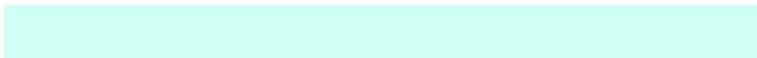
20.3446, 21.4041, 23.3091

Same Dimension

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



72.9470, 83.8828, 91.7045



77.8169, 91.3008, 99.7448



70.9903, 78.0665, 96.9188



16.8385, 18.6945, 20.4337



22.8528, 37.2860, 33.5744



2.0451, 3.2917, 3.1433

Inverse Universe

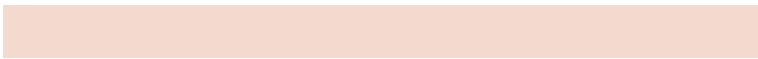
The Inverse Universe completely reimagines the original color for something new.



71.5201, 68.2330, 73.0228



75.9363, 70.6648, 75.1151



73.2044, 73.1974, 68.6641



16.6419, 16.5396, 17.8608



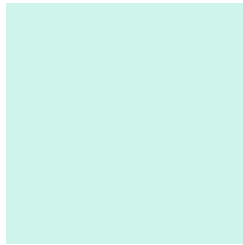
20.6557, 10.6057, 2.8956



1.8515, 0.9466, 0.4443

Previews

White Background



This preview shows how the XYZ color 72.9446, 83.8793, 91.7026 looks on a white background.

Color Contrast Check

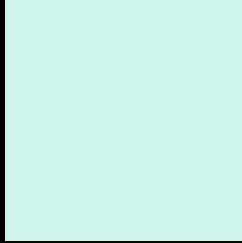
Large Text (above 18pt) WCAG AA × Fail

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 72.9446, 83.8793, 91.7026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

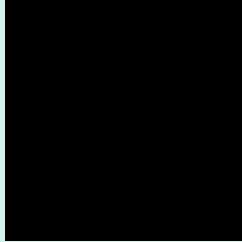
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

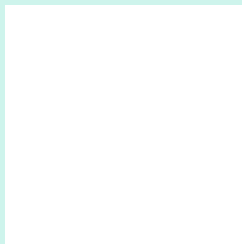
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9446, 83.8793, 91.7026

Background



This preview shows how black text looks on a background with the XYZ color 72.9446, 83.8793, 91.7026.



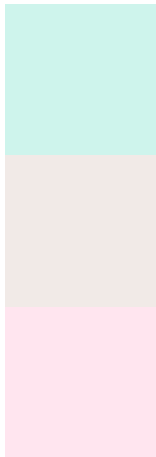
This preview shows how white text looks on a background with the XYZ color 72.9446, 83.8793,

91.7026.

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

72.9446, 83.8793, 91.7026

Protanopia

80.1223, 83.3159, 87.4600

Deuteranopia

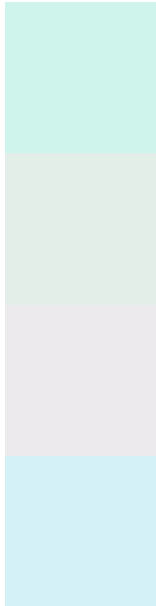
84.8393, 83.5306, 93.3129



Tritanopia

77.2354, 83.5519, 106.6641

Trichromacy



Original Color

72.9446, 83.8793, 91.7026

Protanomaly

77.2774, 83.5262, 89.1400

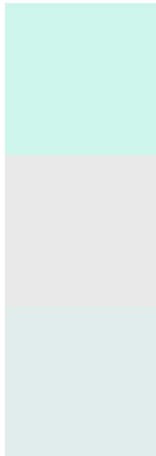
Deuteranomaly

79.7805, 83.0232, 92.7091

Tritanomaly

75.5500, 83.6850, 100.9778

Monochromacy



Original Color

72.9446, 83.8793, 91.7026

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.1349, 81.5621, 88.8738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9446, 83.8793, 91.7026 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(206, 244, 236)` looks like.

```
.text, #text, p{  
    color:rgb(206, 244, 236)  
}
```

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(206, 244, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 244, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.9446, 83.8793, 91.7026 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(206, 244, 236) }
```


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

```
.border{ border-color:rgb(206, 244, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 244, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 244, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 244, 236);  
box-shadow:4px 4px 4px 4px rgb(206, 244,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9446, 83.8793, 91.7026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 244, 236) }
```

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

```
.background{ background-color: rgb(206,  
244, 236) }
```

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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