

Converting Colors

XYZ(71.6283, 80.3033, 88.0605)

Have a look what the booklet for
XYZ(71.6283, 80.3033, 88.0605)
contains.

XYZ(71.4280, 80.0962, 88.0394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.4280, 80.0962,
88.0394)**

Conversions

Conversions Part 1

Format	Color
Hex	D2EDE8
RGB	210, 237, 232
RGB Percent	82%, 93%, 91%
CMY	0.1765, 0.0706, 0.0902
CMYK	0.11, 0.00, 0.02, 0.07
HSL	169°, 43%, 88%
HSV	169°, 11%, 93%
XYZ	71.4280, 80.0962, 88.0394
YIQ	228.3570, -14.4870, -7.2790

Conversions

Conversions Part 2

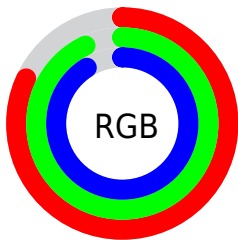
Format	Color
R_{YB}	210, 225, 237
Decimal	13823464
CIE Lab	91.73, -9.76, -0.59
CIE LCh	92, 9.779, 183.436
Yxy	80.0962, 0.2982, 0.3343
Android (android.graphics.Color)	4292013544 (0xFFD2EDE8)
YUV	228.3570, 1.7960, -16.0991
Hunter-Lab	89.4965, -14.1563, 4.3228

Details

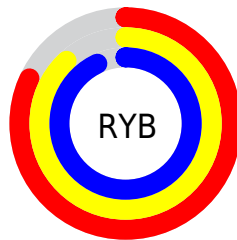
The XYZ color **71.4280, 80.0962, 88.0394** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.2403, 69.0061, 73.9110**, and the grayscale version is **74.0009, 77.8547, 84.7837**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8779, 43.1509, 47.4069** is the 20% darker color. If you saturate the color by 10%, you get **64.5582, 76.6281, 84.5035**, and if you desaturate by 10%, it is **79.3173, 84.0925, 91.7077**.

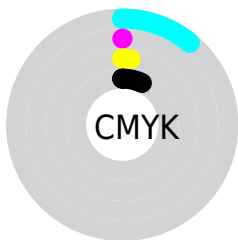
Distribution



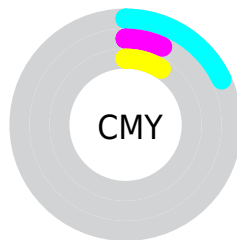
- Red (82%)
- Green (93%)
- Blue (91%)



- Red (82%)
- Yellow (88%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4280, 80.0962, 88.0394 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 71.4280, 80.0962, 88.0394 by changing the saturation by 10% instead.

71.4280, 80.0962,
88.0394

71.4280, 80.0962,
88.0394

454.7368,
495.2570, 542.0369

52.9753, 59.7975,
65.7912

120.2582,
133.5010, 146.5236

38.0105, 43.2554,
47.6475

151.3664,
167.3759, 183.5967

26.1681, 30.0856,
33.1898

187.4238,
206.5449, 226.4485

17.0828, 19.9036,
21.9996

228.7958,
251.3926, 275.4975

10.3892, 12.3250,
13.6583

275.8478,
302.3032, 331.1624

5.7220, 6.9654,
7.7474

328.9450,

2.7158, 3.4405,

359.6612, 393.8615

3.8483

388.4529,
423.8510, 464.0135

■ 1.0053, 1.3658,
1.5425

■ 0.0000, 0.1913,
0.2493

■ 71.4280, 80.0962,
88.0394

■ 71.4280, 80.0962,
88.0394

■ 64.5582, 76.6281,
84.5035

■ 79.3173, 84.0925,
91.7077

■ 58.6571, 73.6553,
81.0921

■ 87.3707, 88.1694,
95.4640

■ 53.6799, 71.1571,
77.8041

■ 88.0340, 88.4347,
98.9570

■ 49.5756, 69.1071,
74.6366

■ 88.7133, 88.7064,
102.5338

■ 46.2878, 67.4763,
71.5863

■ 89.4085, 88.9845,
106.1950

■ 43.7540, 66.2325,
68.6497

■ 89.5757, 89.0514,
107.0752

■ 41.9020, 65.3384,
65.8227

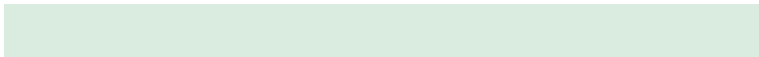
■ 40.6455, 64.7495,
63.1008

■ 39.9214, 64.4256,
60.8362

Harmonies

Analogous

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



71.9074, 80.0962, 81.1949



71.4280, 80.0962, 88.0394



72.1853, 80.0962, 95.0237

Triad

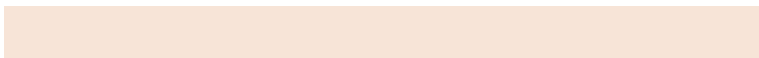
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4280, 80.0962, 88.0394



78.8102, 80.0962, 99.2190



78.3003, 80.0962, 75.4612

Complementary

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



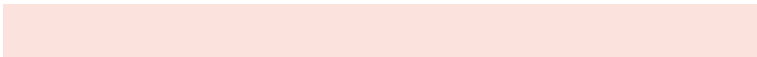
71.4280, 80.0962, 88.0394



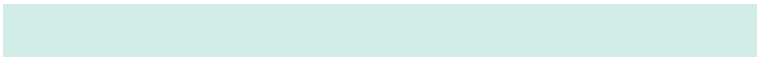
70.2403, 69.0061, 73.9110

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.



80.2139, 80.0962, 79.8390



71.4280, 80.0962, 88.0394



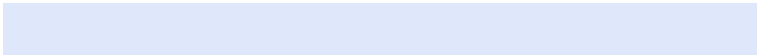
80.5127, 80.0962, 93.5175

Square

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



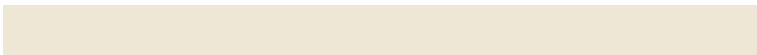
71.4280, 80.0962, 88.0394



76.4177, 80.0962, 101.6969



81.0319, 80.0962, 86.3881



75.8411, 80.0962, 74.1707

Rectangle

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



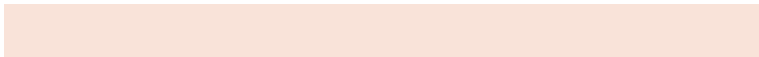
71.4280, 80.0962, 88.0394



73.2995, 80.0962, 98.7498



81.0319, 80.0962, 86.3881



79.0305, 80.0962, 76.6083

Sweetspot

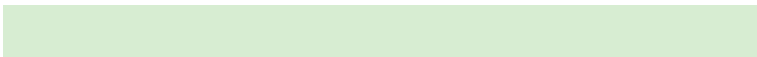
The Sweet Spot groups the original color and five complimentary colors.



71.4303, 80.0996, 88.0412



92.0639, 98.4869, 107.5734



70.0615, 79.7327, 72.6713



19.5387, 20.9958, 22.9497



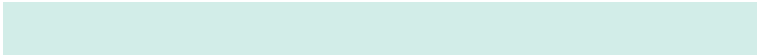
0.0000, 0.0000, 0.0000



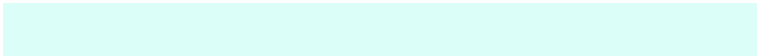
20.3446, 21.4041, 23.3091

Same Dimension

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



71.4303, 80.0996, 88.0412



82.0669, 93.4279, 102.8285



69.8585, 75.8022, 91.0741



15.3910, 17.0712, 18.7417



21.8401, 35.1905, 33.4526



1.7460, 2.7757, 2.7901

Inverse Universe

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



70.2403, 69.0061, 73.9110



80.3656, 77.5660, 82.6263



71.6579, 72.8548, 71.2596



15.1795, 15.0996, 16.2304



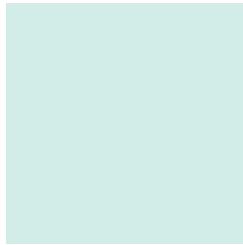
19.3500, 9.9427, 2.3786



1.5516, 0.7936, 0.3563

Previews

White Background



This preview shows how the XYZ color 71.4280, 80.0962, 88.0394 looks on a white background.

Color Contrast Check

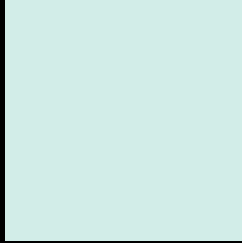
Large Text (above 18pt) WCAG AA × Fail

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 71.4280, 80.0962, 88.0394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

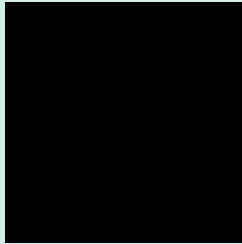
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

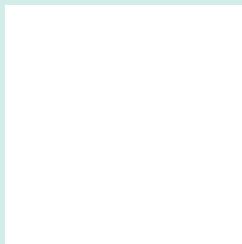
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4280, 80.0962, 88.0394

Background



This preview shows how black text looks on a background with the XYZ color 71.4280, 80.0962, 88.0394.

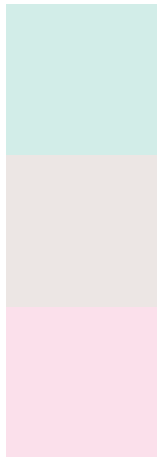


This preview shows how white text looks on a background with the XYZ color 71.4280, 80.0962,

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

71.4280, 80.0962, 88.0394

Protanopia

76.8925, 80.0279, 84.7931

Deuteranopia

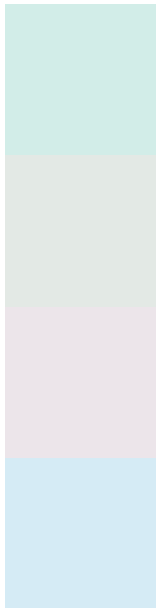
81.4347, 79.8187, 89.7117



Tritanopia

74.7251, 80.1701, 103.6314

Trichromacy



Original Color

71.4280, 80.0962, 88.0394

Protanomaly

74.9603, 80.2659, 85.6708

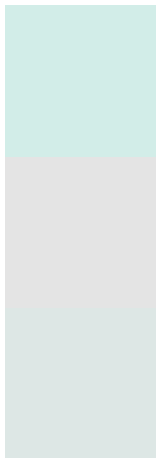
Deuteranomaly

77.4627, 79.8120, 89.1644

Tritanomaly

73.6303, 80.1554, 97.9770

Monochromacy



Original Color

71.4280, 80.0962, 88.0394

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.5376, 78.1811, 85.3961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4280, 80.0962, 88.0394 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, 237, 232)` looks like.

```
.text, #text, p{  
    color:rgb(210, 237, 232)  
}
```

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, 237, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 237, 232) }
```

Border

The CSS property to change the border of an element to XYZ 71.4280, 80.0962, 88.0394 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, 237, 232) }
```


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

```
.border{ border-color:rgb(210, 237, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 237, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 237, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 237, 232);  
box-shadow:4px 4px 4px 4px rgb(210, 237,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4280, 80.0962, 88.0394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 237, 232) }
```

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

```
.background{ background-color: rgb(210,  
237, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor