

Converting Colors

XYZ(71.2187, 76.1879, 88.7960)

Have a look what the booklet for
XYZ(71.2187, 76.1879, 88.7960)
contains.

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Color

**XYZ(71.2100, 76.1790,
88.7928)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E4EA
RGB	217, 228, 234
RGB Percent	85%, 89%, 92%
CMY	0.1490, 0.1059, 0.0823
CMYK	0.07, 0.03, 0.00, 0.08
HSL	201°, 29%, 88%
HSV	201°, 7%, 92%
XYZ	71.2100, 76.1790, 88.7928
YIQ	225.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

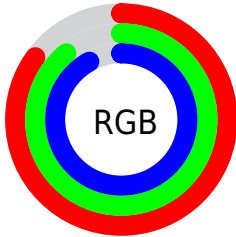
Format	Color
R _Y B	217, 224, 234
Decimal	14279914
CIE Lab	89.94, -2.53, -4.19
CIE LCh	90, 4.898, 238.925
Yxy	76.1790, 0.3015, 0.3225
Android (android.graphics.Color)	4292469994 (0xFFD9E4EA)
YUV	225.3950, 4.2423, -7.3624
Hunter-Lab	87.2806, -7.1074, 0.7792

Details

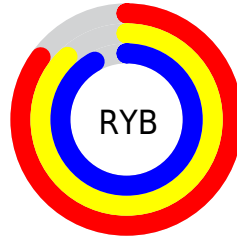
The XYZ color **71.2100, 76.1790, 88.7928** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.8442, 75.2772, 76.3377**, and the grayscale version is **71.8288, 75.5695, 82.2952**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8797, 40.7829, 47.9949** is the 20% darker color. If you saturate the color by 10%, you get **62.5254, 68.4129, 87.7527**, and if you desaturate by 10%, it is **80.9936, 84.6768, 89.9186**.

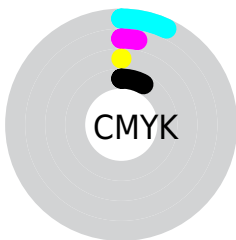
Distribution



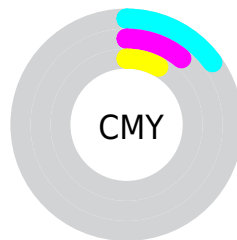
- Red (85%)
- Green (89%)
- Blue (92%)



- Red (85%)
- Yellow (88%)
- Blue (92%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2100, 76.1790, 88.7928 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 71.2100, 76.1790, 88.7928 by changing the saturation by 10% instead.

■ 71.2100, 76.1790,
88.7928

■ 71.2100, 76.1790,
88.7928

453.9876,
481.9602, 544.5644

■ 52.7967, 56.5793,
66.4118

119.9496,
127.9799, 147.5812

■ 37.8674, 40.6676,
48.1482

151.0066,
160.9499, 184.8257

■ 26.0565, 28.0594,
33.5834

187.0090,
199.1454, 227.8618

■ 16.9988, 18.3705,
22.2990

228.3220,
242.9509, 277.1079

■ 10.3289, 11.2163,
13.8763

275.3110,
292.7507, 332.9827

■ 5.6815, 6.2125,
7.8969

328.3413,

■ 2.6912, 2.9747,

348.9293, 395.9047

3.9422

387.7784,
411.8710, 466.2925

■ 0.9927, 1.1186,
1.5937

■ 0.0000, 0.0000,
0.2863

■ 71.2100, 76.1790,
88.7928

■ 71.2100, 76.1790,
88.7928

■ 62.5254, 68.4129,
87.7527

■ 80.9936, 84.6768,
89.9186

■ 54.8905, 61.3446,
86.7908

■ 88.5970, 92.2116,
90.9722

■ 48.2617, 54.9515,
85.9062

■ 91.1437, 97.3049,
91.8211

■ 42.5897, 49.2058,
85.0961

■ 91.8515, 98.7206,
92.0570

■ 37.8209, 44.0775,
84.3576

■ 33.8958, 39.5334,
83.6873

■ 30.7471, 35.5365,
83.0818

■ 28.2962, 32.0437,
82.5368

■ 26.4403, 28.9993,
82.0470

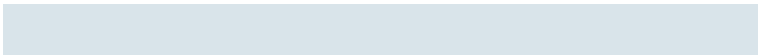
Harmonies

Analogous

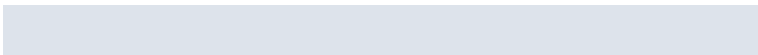
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3859, 76.1790, 86.2150



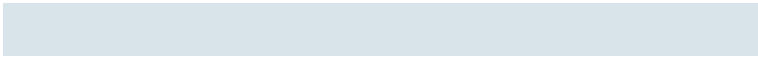
71.2100, 76.1790, 88.7928



72.3622, 76.1790, 89.7973

Triad

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



71.2100, 76.1790, 88.7928



74.7602, 76.1790, 83.0712



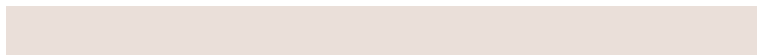
71.2849, 76.1790, 77.2422

Complementary

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



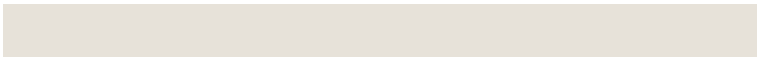
71.2100, 76.1790, 88.7928



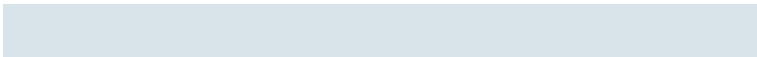
72.8442, 75.2772, 76.3377

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.



72.4496, 76.1790, 76.4523



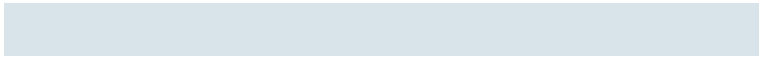
71.2100, 76.1790, 88.7928



74.4641, 76.1790, 79.7606

Square

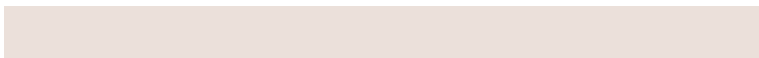
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2100, 76.1790, 88.7928



74.4196, 76.1790, 86.4377



73.6150, 76.1790, 77.3616



70.4288, 76.1790, 79.5496

Rectangle

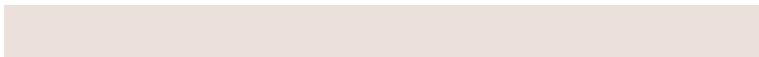
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2100, 76.1790, 88.7928



73.1641, 76.1790, 89.4188



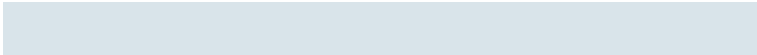
73.6150, 76.1790, 77.3616



71.6529, 76.1790, 76.7933

Sweetspot

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



71.2122, 76.1822, 88.7945



92.6273, 97.9030, 108.6229



71.3520, 78.9237, 81.2512



19.8515, 20.9773, 23.2527



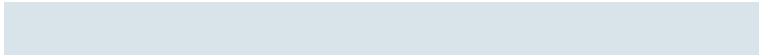
0.0000, 0.0000, 0.0000



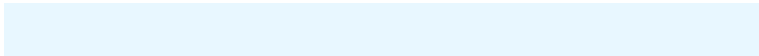
20.3446, 21.4041, 23.3091

Same Dimension

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



71.2122, 76.1822, 88.7945



84.5765, 90.8472, 107.6854



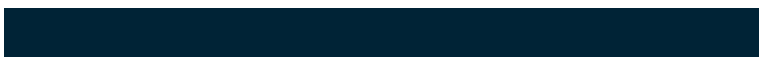
68.9432, 71.6442, 88.0381



15.0447, 16.1758, 19.2516



14.7284, 16.1039, 46.0751



1.2464, 1.4443, 3.6480

Inverse Universe

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



72.7499, 72.7212, 83.6047



86.8844, 85.7109, 99.8829



75.1594, 79.9076, 77.1094



15.4761, 15.2183, 17.7925



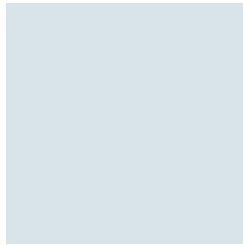
22.2895, 11.1185, 17.8579



1.7956, 0.8912, 1.6412

Previews

White Background



This preview shows how the XYZ color 71.2100, 76.1790, 88.7928 looks on a white background.

Color Contrast Check

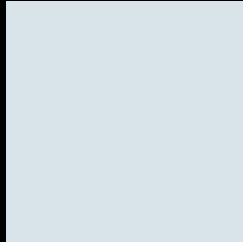
Large Text (above 18pt) WCAG AA × Fail

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 71.2100, 76.1790, 88.7928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

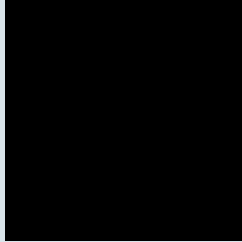
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

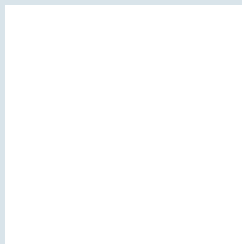
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2100, 76.1790, 88.7928

Background



This preview shows how black text looks on a background with the XYZ color 71.2100, 76.1790, 88.7928.

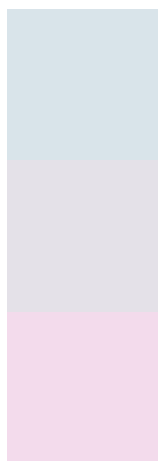


This preview shows how white text looks on a background with the XYZ color 71.2100, 76.1790,

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

71.2100, 76.1790, 88.7928

Protanopia

73.4856, 76.1706, 87.1732

Deuteranopia

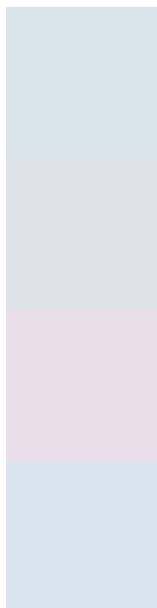
77.4340, 75.7739, 89.9015



Tritanopia

72.7389, 75.9844, 96.4207

Trichromacy



Original Color

71.2100, 76.1790, 88.7928

Protanomaly

72.6448, 76.1232, 87.9552

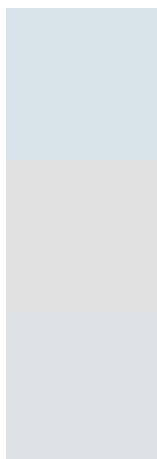
Deuteranomaly

75.0484, 75.7331, 89.2597

Tritanomaly

72.1107, 76.1349, 93.3329

Monochromacy



Original Color

71.2100, 76.1790, 88.7928

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.3241, 75.5237, 84.2171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2100, 76.1790, 88.7928 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(217, 228, 234) looks like.

```
.text, #text, p{  
    color:rgb(217, 228, 234)  
}
```

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(217, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 228, 234) }
```

Border

The CSS property to change the border of an element to XYZ 71.2100, 76.1790, 88.7928 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(217, 228, 234) }
```


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

```
.border{ border-color:rgb(217, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 228, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 228, 234);  
box-shadow:4px 4px 4px 4px rgb(217, 228,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2100, 76.1790, 88.7928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 228, 234) }
```

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

```
.background{ background-color: rgb(217,  
228, 234) }
```

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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