

Converting Colors

XYZ(71.1706, 77.8156, 83.1791)

Have a look what the booklet for
XYZ(71.1706, 77.8156, 83.1791)
contains.

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Color

**XYZ(71.1994, 77.9559,
83.2459)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E8E2
RGB	217, 232, 226
RGB Percent	85%, 91%, 89%
CMY	0.1490, 0.0902, 0.1137
CMYK	0.06, 0.00, 0.03, 0.09
HSL	156°, 25%, 88%
HSV	156°, 6%, 91%
XYZ	71.1994, 77.9559, 83.2459
YIQ	226.8310, -7.0140, -5.0460

Conversions

Conversions Part 2

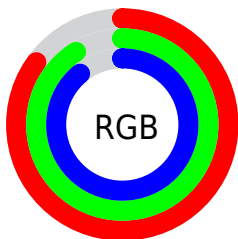
Format	Color
RYB	217, 226, 232
Decimal	14280930
CIELab	90.76, -6.07, 1.19
CIElCh	91, 6.189, 168.920
Yxy	77.9559, 0.3064, 0.3354
Android (android.graphics.Color)	4292471010 (0xFFD9E8E2)
YUV	226.8310, -0.4097, -8.6218
Hunter-Lab	88.2926, -10.5693, 5.9038

Details

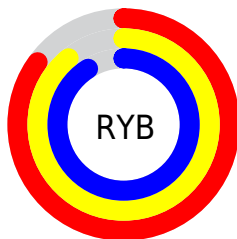
The XYZ color **71.1994, 77.9559, 83.2459** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4137, 72.1114, 79.9708**, and the grayscale version is **72.8993, 76.6957, 83.5216**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7763, 41.6723, 44.5806** is the 20% darker color. If you saturate the color by 10%, you get **63.5430, 74.1543, 76.4177**, and if you desaturate by 10%, it is **79.8987, 82.2915, 90.4863**.

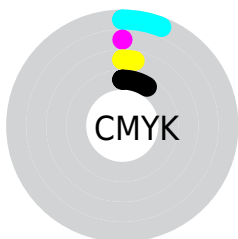
Distribution



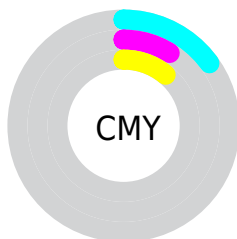
- Red (85%)
- Green (91%)
- Blue (89%)



- Red (85%)
- Yellow (89%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1994, 77.9559, 83.2459 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 71.1994, 77.9559, 83.2459 by changing the saturation by 10% instead.

■ 71.1994, 77.9559,
83.2459

■ 71.1994, 77.9559,
83.2459

453.9512,
488.0170, 525.7981

■ 52.7881, 58.0378,
61.8512

119.9346,
130.4880, 139.7721

■ 37.8604, 41.8390,
44.4775

150.9891,
163.8706, 175.7408

■ 26.0511, 28.9752,
30.7061

186.9888,
202.5103, 217.4045

■ 16.9947, 19.0621,
20.1186

228.2989,
246.7913, 265.1818

■ 10.3260, 11.7152,
12.2963

275.2849,
297.0981, 319.4913

■ 5.6796, 6.5500,
6.8209

328.3120,

■ 2.6900, 3.1823,

353.8151, 380.7515

3.2736

387.7456,
417.3266, 449.3809

■ 0.9920, 1.2276,
1.2360

■ 0.0000, 0.0841,
0.0084

■ 71.1994, 77.9559,
83.2459

■ 71.1994, 77.9559,
83.2459

■ 63.5430, 74.1543,
76.4177

■ 79.8987, 82.2915,
90.4863

■ 56.8815, 70.8556,
69.9889

■ 86.5137, 85.5424,
97.9931

■ 51.1731, 68.0404,
63.9534

■ 87.9638, 86.1224,
105.6292

■ 46.3701, 65.6845,
58.3030

■ 88.1481, 86.1961,
106.5994

■ 42.4207, 63.7611,
53.0293

■ 39.2676, 62.2410,
48.1233

■ 36.8462, 61.0908,
43.5756

■ 35.0808, 60.2719,
39.3759

■ 33.8770, 59.7355,
35.5130

Harmonies

Analogous

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



71.8640, 77.9559, 79.3779



71.1994, 77.9559, 83.2459



71.3025, 77.9559, 87.6873

Triad

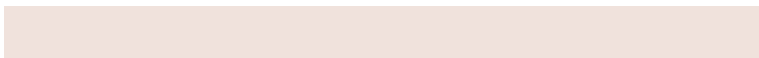
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1994, 77.9559, 83.2459



75.0684, 77.9559, 93.2405



76.0767, 77.9559, 78.5889

Complementary

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



71.1994, 77.9559, 83.2459



71.4137, 72.1114, 79.9708

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.



76.9590, 77.9559, 82.1346



71.1994, 77.9559, 83.2459



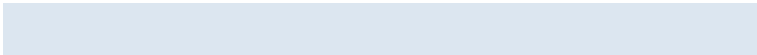
76.3712, 77.9559, 90.6322

Square

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



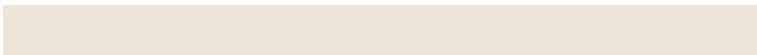
71.1994, 77.9559, 83.2459



73.5217, 77.9559, 93.5635



77.0675, 77.9559, 86.5368



74.6708, 77.9559, 76.7525

Rectangle

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



71.1994, 77.9559, 83.2459



71.7930, 77.9559, 90.3741



77.0675, 77.9559, 86.5368



76.4452, 77.9559, 79.6145

Sweetspot

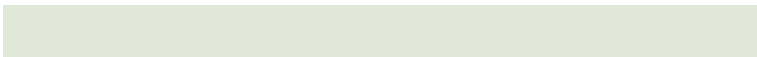
The Sweet Spot groups the original color and five complimentary colors.



71.2016, 77.9592, 83.2476



92.8716, 98.9148, 107.0921



71.8922, 78.4542, 77.0010



19.9012, 21.1832, 22.9412



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.



71.2016, 77.9592, 83.2476



86.6524, 95.8195, 101.7918



71.6894, 77.5932, 87.5463



14.5505, 16.2336, 17.1636



18.6778, 33.1032, 19.3355



1.4258, 2.4644, 1.6689

Inverse Universe

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



71.4137, 72.1114, 79.9708



86.9758, 86.9046, 96.7966



70.9419, 72.4402, 75.8903



14.6147, 14.4631, 16.1716



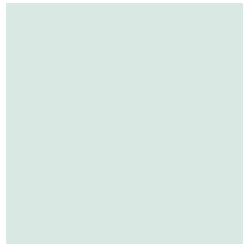
19.6261, 9.9847, 6.9260



1.4952, 0.7558, 0.7481

Previews

White Background



This preview shows how the XYZ color 71.1994, 77.9559, 83.2459 looks on a white background.

Color Contrast Check

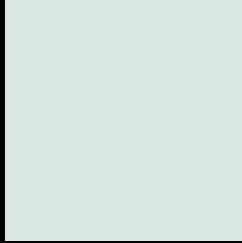
Large Text (above 18pt) WCAG AA × Fail

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 71.1994, 77.9559, 83.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

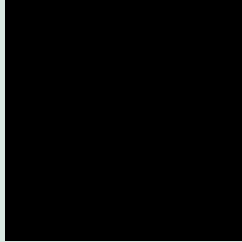
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

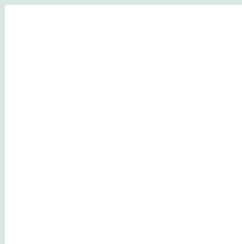
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.1994, 77.9559, 83.2459

Background



This preview shows how black text looks on a background with the XYZ color 71.1994, 77.9559, 83.2459.

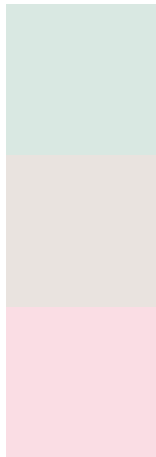


This preview shows how white text looks on a background with the XYZ color 71.1994, 77.9559,

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

71.1994, 77.9559, 83.2459

Protanopia

74.3926, 77.5895, 80.8674

Deuteranopia

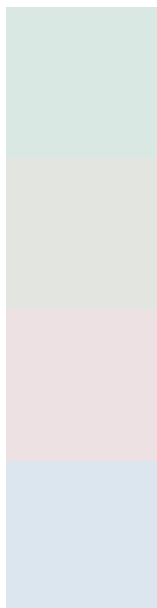
79.2844, 77.6383, 84.2057



Tritanopia

74.3230, 77.9697, 99.1281

Trichromacy



Original Color

71.1994, 77.9559, 83.2459

Protanomaly

73.1524, 77.7513, 81.6730

Deuteranomaly

76.0502, 77.5736, 83.6380

Tritanomaly

73.0902, 77.8857, 92.8425

Monochromacy



Original Color

71.1994, 77.9559, 83.2459

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.3159, 77.2726, 83.7767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1994, 77.9559, 83.2459 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, 232, 226) looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 226)  
}
```

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, 232, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 226) }
```

Border

The CSS property to change the border of an element to XYZ 71.1994, 77.9559, 83.2459 is called "border". The border property can be set on classes, ids or directly on the HTML element.

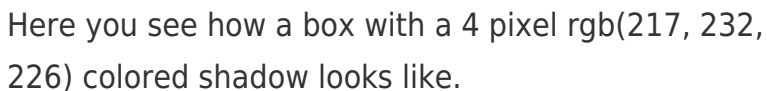
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 232, 226) }
```


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

```
.border{ border-color:rgb(217, 232, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 232, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 232, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 232, 226); box-shadow:4px 4px 4px 4px rgb(217, 232, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1994, 77.9559, 83.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 232, 226) }
```

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

```
.background{ background-color: rgb(217,  
232, 226) }
```

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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