

Converting Colors

XYZ(71.5790, 80.6704, 59.9888)

Have a look what the booklet for
XYZ(71.5790, 80.6704, 59.9888)
contains.

XYZ(71.7826, 80.9005, 59.9761)	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(71.7826, 80.9005,
59.9761)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EDBD
RGB	229, 237, 189
RGB Percent	90%, 93%, 74%
CMY	0.1020, 0.0706, 0.2588
CMYK	0.03, 0.00, 0.20, 0.07
HSL	70°, 57%, 84%
HSV	70°, 20%, 93%
XYZ	71.7826, 80.9005, 59.9761
YIQ	229.1360, 10.6400, -16.6240

Conversions

Conversions Part 2

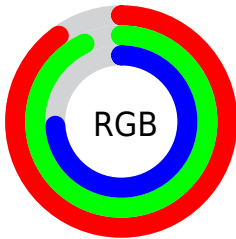
Format	Color
RYB	189, 237, 197
Decimal	15068605
CIELab	92.09, -10.56, 22.41
CIELCh	92, 24.774, 115.229
Yxy	80.9005, 0.3375, 0.3804
Android (android.graphics.Color)	4293258685 (0xFFE5EDBD)
YUV	229.1360, -19.7870, -0.1193
Hunter-Lab	89.9447, -14.9469, 23.4261

Details

The XYZ color **71.7826, 80.9005, 59.9761** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.5127, 54.3821, 87.6434**, and the grayscale version is **74.7137, 78.6046, 85.6004**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **38.1306, 43.6813, 29.3433** is the 20% darker color. If you saturate the color by 10%, you get **68.1713, 79.3147, 47.4576**, and if you desaturate by 10%, it is **75.8473, 82.6765, 74.7136**.

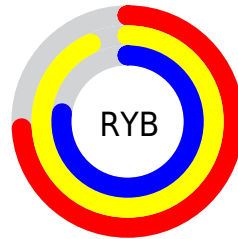
Distribution



Red (90%)

Green (93%)

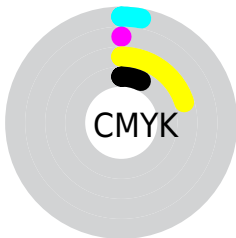
Blue (74%)



Red (74%)

Yellow (93%)

Blue (77%)

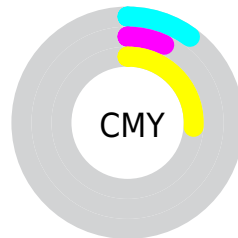


Cyan (3%)

Magenta (0%)

Yellow (20%)

Black (7%)



Cyan (10%)

Magenta (7%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7826, 80.9005, 59.9761 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 71.7826, 80.9005, 59.9761 by changing the saturation by 10% instead.

71.7826, 80.9005,
59.9761

71.7826, 80.9005,
59.9761

455.9539,
497.9624, 442.3119

53.2659, 60.4597,
42.9742

120.7599,
134.6310, 106.3380

38.2434, 43.7892,
29.5336

151.9512,
168.6895, 136.5351

26.3497, 30.5048,
19.2358

188.0981,
208.0560, 171.9677

17.2195, 20.2221,
11.6623

229.5659,
253.1149, 213.0543

10.4874, 12.5566,
6.3944

276.7201,
304.2506, 260.2135

5.7880, 7.1239,
3.0137

329.9259,

2.7561, 3.5397,

361.8475, 313.8638

1.1016

389.5487,
426.2900, 374.4237

■ 1.0261, 1.4196,
0.0000

■ 0.0000, 0.2311,
0.0000

■ 71.7826, 80.9005,
59.9761

■ 71.7826, 80.9005,
59.9761

■ 68.1713, 79.3147,
47.4576

■ 75.8473, 82.6765,
74.7136

■ 64.9865, 77.9000,
37.0454

■ 80.3783, 84.6395,
91.7650

■ 62.2080, 76.6511,
28.6249

■ 84.5629, 86.4674,
106.8407

■ 59.8114, 75.5583,
22.0685

■ 85.9257, 87.1700,
106.9045

■ 57.7695, 74.6105,
17.2338

■ 87.3180, 87.8878,
106.9696

■ 56.0510, 73.7953,
13.9578

■ 88.7400, 88.6208,
107.0362

■ 54.6190, 73.0979,
12.0464

■ 89.5759, 89.0517,
107.0753

■ 53.4385, 72.5074,
11.1788

Harmonies

Analogous

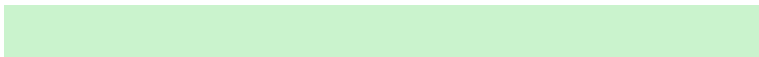
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9182, 80.9005, 57.5113



71.7826, 80.9005, 59.9761



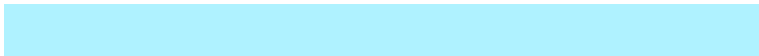
67.2510, 80.9005, 69.5328

Triad

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



71.7826, 80.9005, 59.9761



70.1080, 80.9005, 120.2104



89.7767, 80.9005, 91.0410

Complementary

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



71.7826, 80.9005, 59.9761



56.5127, 54.3821, 87.6434

Split Complementary

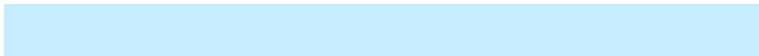
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4163, 80.9005, 109.6788



71.7826, 80.9005, 59.9761



75.8778, 80.9005, 127.9383

Square

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



71.7826, 80.9005, 59.9761



66.3223, 80.9005, 103.9255



82.2414, 80.9005, 123.8411



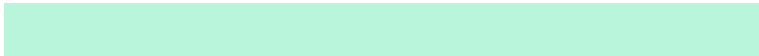
88.5322, 80.9005, 73.9453

Rectangle

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



71.7826, 80.9005, 59.9761



65.6318, 80.9005, 79.4305



82.2414, 80.9005, 123.8411



89.3750, 80.9005, 97.3504

Sweetspot

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



71.7847, 80.9041, 59.9778



91.7512, 98.5728, 96.3952



64.0794, 61.6134, 56.6605



19.5643, 21.0665, 20.3543



0.0000, 0.0000, 0.0000



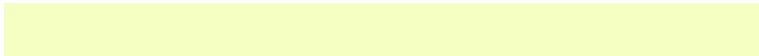
20.3446, 21.4041, 23.3091

Same Dimension

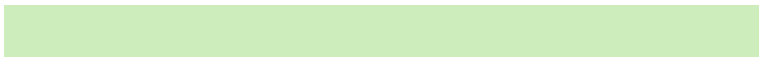
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7847, 80.9041, 59.9778



83.0596, 94.7816, 64.8382



64.6491, 77.2255, 59.6439



16.0911, 17.4925, 16.0470



29.2703, 39.6339, 6.1074



2.3639, 3.1459, 0.4826

Inverse Universe

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



56.5127, 54.3821, 87.6434



62.2007, 58.5528, 102.6312



63.3051, 57.8837, 87.9613



14.4652, 14.6696, 18.9914



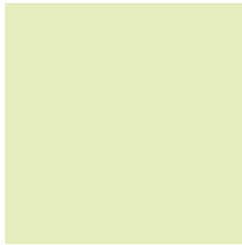
8.8867, 3.6172, 43.9728



0.7671, 0.3198, 3.4562

Previews

White Background



This preview shows how the XYZ color 71.7826, 80.9005, 59.9761 looks on a white background.

Color Contrast Check

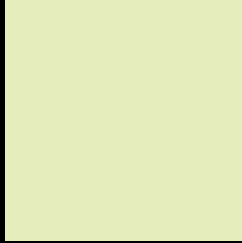
Large Text (above 18pt) WCAG AA × Fail

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 71.7826, 80.9005, 59.9761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

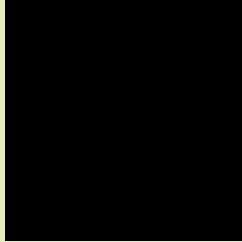
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

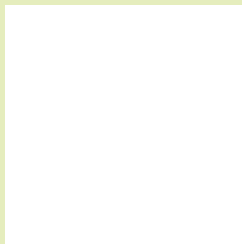
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7826, 80.9005, 59.9761

Background



This preview shows how black text looks on a background with the XYZ color 71.7826, 80.9005, 59.9761.

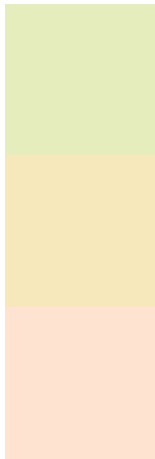


This preview shows how white text looks on a background with the XYZ color 71.7826, 80.9005,

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

71.7826, 80.9005, 59.9761

Protanopia

75.7256, 80.8512, 58.0691

Deuteranopia

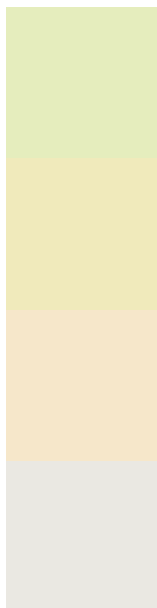
80.2177, 80.8016, 71.6899



Tritanopia

79.7329, 80.7585, 99.3813

Trichromacy



Original Color

71.7826, 80.9005, 59.9761

Protanomaly

74.3276, 80.9588, 58.7228

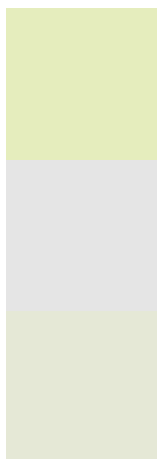
Deuteranomaly

77.2426, 81.0089, 67.4423

Tritanomaly

76.5158, 80.6966, 83.4947

Monochromacy



Original Color

71.7826, 80.9005, 59.9761

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.3073, 79.2263, 75.0468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7826, 80.9005, 59.9761 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(229, 237, 189)` looks like.

```
.text, #text, p{  
    color:rgb(229, 237, 189)  
}
```

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(229, 237, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 237, 189) }
```

Border

The CSS property to change the border of an element to XYZ 71.7826, 80.9005, 59.9761 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(229, 237, 189) }
```


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

```
.border{ border-color:rgb(229, 237, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 237, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 237, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 237, 189);  
box-shadow:4px 4px 4px 4px rgb(229, 237,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7826, 80.9005, 59.9761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 237, 189) }
```

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

```
.background{ background-color: rgb(229,  
237, 189) }
```

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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