

Converting Colors

XYZ(80.6445, 86.8929, 78.1706)

Have a look what the booklet for
XYZ(80.6445, 86.8929, 78.1706)
contains.

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Color

**XYZ(80.5976, 86.7976,
78.1513)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F1D9
RGB	242, 241, 217
RGB Percent	95%, 95%, 85%
CMY	0.0510, 0.0549, 0.1490
CMYK	0.00, 0.00, 0.10, 0.05
HSL	58°, 49%, 90%
HSV	58°, 10%, 95%
XYZ	80.5976, 86.7976, 78.1513
YIQ	238.5630, 8.3000, -7.2520

Conversions

Conversions Part 2

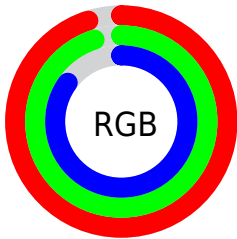
Format	Color
R_{YB}	218, 242, 217
Decimal	15921625
CIE _{Lab}	94.65, -3.69, 11.71
CIE _{LCh}	95, 12.278, 107.498
Yxy	86.7976, 0.3282, 0.3535
Android (android.graphics.Color)	4294111705 (0xFFFF2F1D9)
YUV	238.5630, -10.6306, 3.0142
Hunter-Lab	93.1652, -8.6181, 15.4805

Details

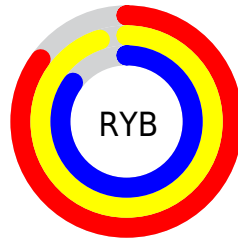
The XYZ color **80.5976, 86.7976, 78.1513** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.7135, 71.3040, 94.0939**, and the grayscale version is **81.7819, 86.0409, 93.6985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1202, 47.7457, 41.0729** is the 20% darker color. If you saturate the color by 10%, you get **77.3945, 85.0642, 62.6761**, and if you desaturate by 10%, it is **84.2686, 88.7262, 96.0618**.

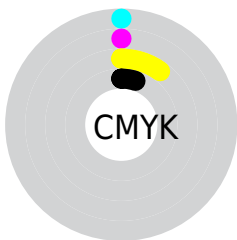
Distribution



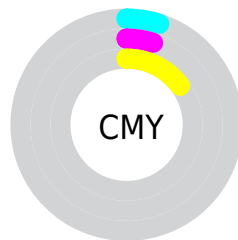
- Red (95%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5976, 86.7976, 78.1513 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 80.5976, 86.7976, 78.1513 by changing the saturation by 10% instead.

80.5976, 86.7976,
78.1513

80.5976, 86.7976,
78.1513

485.6504,
517.5576, 508.2220

60.5204, 65.3277,
57.6811

133.1517,
142.8820, 132.5512

44.0893, 47.7269,
41.1393

166.3593,
178.2653, 167.3180

30.9389, 33.6106,
28.1074

204.6745,
219.0552, 207.6873

20.7039, 22.5946,
18.1669

248.4625,
265.6361, 254.0778

13.0190, 14.2945,
10.8992

298.0888,
318.3924, 306.9080

7.5187, 8.3258,
5.8858

353.9186,

3.8378, 4.3041,

377.7085, 366.5964

2.7081

416.3174,
443.9687, 433.5616

■ 1.6108, 1.8451,
0.9475

■ 0.3994, 0.5150,
0.0000

■ 80.5976, 86.7976,
78.1513

■ 80.5976, 86.7976,
78.1513

■ 77.3945, 85.0642,
62.6761

■ 84.2686, 88.7262,
96.0618

■ 74.6322, 83.5068,
49.5252

■ 86.6986, 90.1580,
107.4405

■ 72.2916, 82.1203,
38.5874

■ 86.9875, 90.7358,
107.5368

■ 70.3493, 80.8957,
29.7401

■ 87.2779, 91.3166,
107.6336

68.7799, 79.8226,
22.8489

87.5698, 91.9005,
107.7309

67.5549, 78.8896,
17.7636

87.8632, 92.4873,
107.8287

66.6416, 78.0837,
14.3126

88.1582, 93.0773,
107.9270

66.0012, 77.3893,
12.2908

88.4547, 93.6702,
108.0258

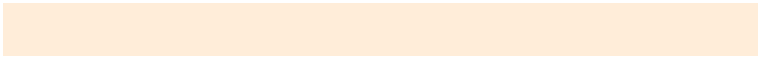
65.5791, 76.7990,
11.3673

88.7527, 94.2662,
108.1252

Harmonies

Analogous

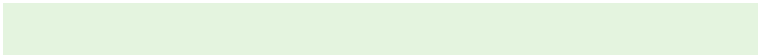
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8855, 86.7976, 77.7892



80.5976, 86.7976, 78.1513



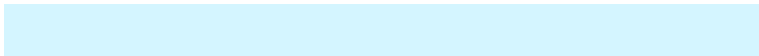
77.8898, 86.7976, 82.7080

Triad

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



80.5976, 86.7976, 78.1513



78.2683, 86.7976, 108.6091



88.8765, 86.7976, 98.5132

Complementary

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



80.5976, 86.7976, 78.1513



69.7135, 71.3040, 94.0939

Split Complementary

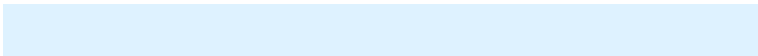
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2856, 86.7976, 107.3798



80.5976, 86.7976, 78.1513



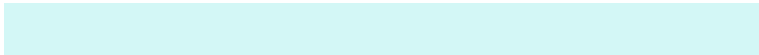
81.1269, 86.7976, 113.4652

Square

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



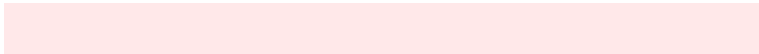
80.5976, 86.7976, 78.1513



76.5699, 86.7976, 100.1011



84.4291, 86.7976, 113.0008



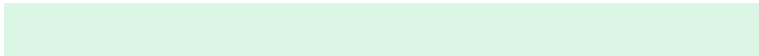
88.7255, 86.7976, 89.1269

Rectangle

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



80.5976, 86.7976, 78.1513



76.7511, 86.7976, 87.6949



84.4291, 86.7976, 113.0008



88.5259, 86.7976, 101.6648

Sweetspot

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



80.6000, 86.8014, 78.1532



93.7455, 99.3229, 102.5095



74.1195, 73.5792, 76.7982



19.9925, 21.2212, 21.5849



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.



80.6000, 86.8014, 78.1532



90.1216, 97.4090, 84.8577



77.1518, 85.4622, 78.0764



17.0658, 18.3448, 16.7912



35.2543, 41.3067, 6.1149



2.9495, 3.4696, 0.5143

Inverse Universe

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



69.7135, 71.3040, 94.0939



76.0071, 77.3164, 105.5253



72.9152, 72.5726, 94.1700



14.9477, 15.3295, 19.8927



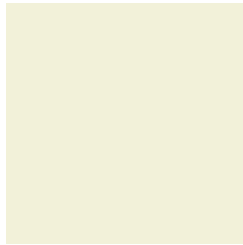
8.6892, 3.6026, 45.3653



0.7405, 0.3350, 3.7798

Previews

White Background



This preview shows how the XYZ color 80.5976, 86.7976, 78.1513 looks on a white background.

Color Contrast Check

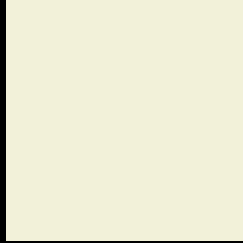
Large Text (above 18pt) WCAG AA × Fail

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 80.5976, 86.7976, 78.1513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

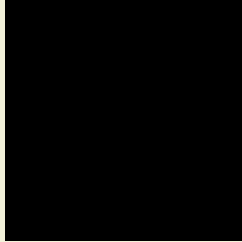
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

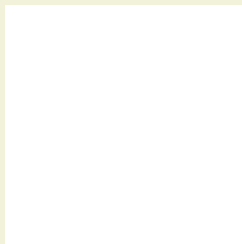
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5976, 86.7976, 78.1513

Background



This preview shows how black text looks on a background with the XYZ color 80.5976, 86.7976, 78.1513.

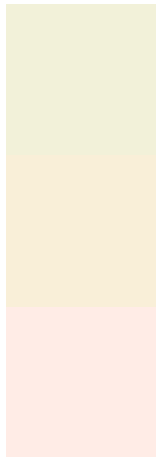


This preview shows how white text looks on a background with the XYZ color 80.5976, 86.7976,

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

80.5976, 86.7976, 78.1513

Protanopia

82.3281, 86.8306, 77.3866

Deuteranopia

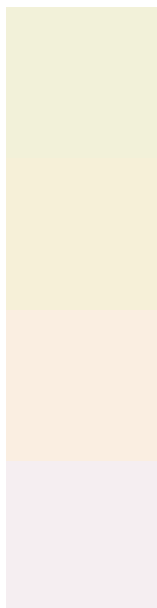
85.5184, 86.9641, 87.1414



Tritanopia

86.2426, 86.9208, 105.9979

Trichromacy



Original Color

80.5976, 86.7976, 78.1513

Protanomaly

81.5608, 86.8709, 77.4348

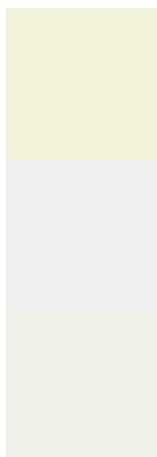
Deuteranomaly

83.5895, 86.9093, 83.6037

Tritanomaly

84.1079, 86.9124, 95.5619

Monochromacy



Original Color

80.5976, 86.7976, 78.1513

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.5191, 86.6150, 88.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5976, 86.7976, 78.1513 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(242, 241, 217)` looks like.

```
.text, #text, p{  
    color:rgb(242, 241, 217)  
}
```

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(242, 241, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 241, 217) }
```

Border

The CSS property to change the border of an element to XYZ 80.5976, 86.7976, 78.1513 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(242, 241, 217) }
```


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

```
.border{ border-color:rgb(242, 241, 217) }
```

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

Here you see how a box with a 4 pixel rgb(242, 241, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 241, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 241, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 241,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5976, 86.7976, 78.1513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 241, 217) }
```

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

```
.background{ background-color: rgb(242,  
241, 217) }
```

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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