

Converting Colors

XYZ(81.1248, 87.9025, 77.7538)

Have a look what the booklet for
XYZ(81.1248, 87.9025, 77.7538)
contains.

XYZ(81.0632, 87.9363, 77.6667)	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(81.0632, 87.9363,
77.6667)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F3D8
RGB	242, 243, 216
RGB Percent	95%, 95%, 85%
CMY	0.0510, 0.0470, 0.1529
CMYK	0.00, 0.00, 0.11, 0.05
HSL	62°, 53%, 90%
HSV	62°, 11%, 95%
XYZ	81.0632, 87.9363, 77.6667
YIQ	239.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

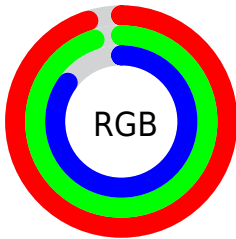
Format	Color
R_{YB}	216, 243, 217
Decimal	15922136
CIE _{Lab}	95.13, -4.86, 12.91
CIE _{LCh}	95, 13.796, 110.622
Yxy	87.9363, 0.3286, 0.3565
Android (android.graphics.Color)	4294112216 (0xFFFF2F3D8)
YUV	239.6230, -11.6461, 2.0846
Hunter-Lab	93.7744, -9.8009, 16.5363

Details

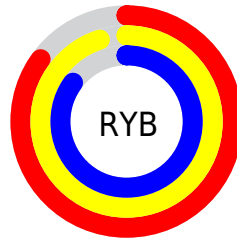
The XYZ color **81.0632, 87.9363, 77.6667** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.3523, 70.3369, 94.7199**, and the grayscale version is **82.6155, 86.9179, 94.6536**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4530, 48.5530, 40.7469** is the 20% darker color. If you saturate the color by 10%, you get **77.8423, 86.6151, 62.3115**, and if you desaturate by 10%, it is **84.7550, 89.4519, 95.4728**.

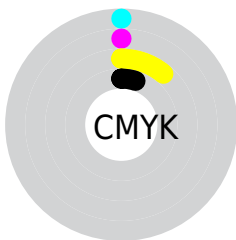
Distribution



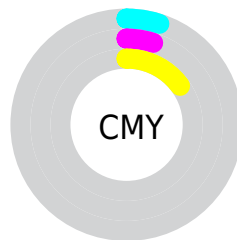
- Red (95%)
- Green (95%)
- Blue (85%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0632, 87.9363, 77.6667 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 81.0632, 87.9363, 77.6667 by changing the saturation by 10% instead.

81.0632, 87.9363,
77.6667

81.0632, 87.9363,
77.6667

487.1908,
521.2946, 506.5321

60.9051, 66.2703,
57.2854

133.8022,
144.4685, 131.8618

44.4008, 48.4919,
40.8235

167.1138,
180.1034, 166.5126

31.1850, 34.2166,
27.8626

205.5407,
221.1635, 206.7570

20.8923, 23.0600,
17.9839

249.4481,
268.0331, 253.0136

13.1573, 14.6378,
10.7691

299.2015,
321.0967, 305.7009

7.6147, 8.5656,
5.7996

355.1662,

3.8991, 4.4589,

380.7385, 365.2373

2.6568

417.7075,
447.3430, 432.0415

■ 1.6452, 1.9335,
0.9216

■ 0.4216, 0.5684,
0.0000

■ 81.0632, 87.9363,
77.6667

■ 81.0632, 87.9363,
77.6667

■ 77.8423, 86.6151,
62.3115

■ 84.7550, 89.4519,
95.4728

■ 75.0650, 85.4685,
49.2945

■ 87.3446, 90.5239,
107.4770

■ 72.7117, 84.4918,
38.5026

■ 87.6589, 90.6859,
107.4917

■ 70.7589, 83.6754,
29.8113

■ 87.9748, 90.8487,
107.5065

69.1804, 83.0090,
23.0836

88.2921, 91.0123,
107.5214

67.9473, 82.4808,
18.1664

88.6111, 91.1767,
107.5363

67.0261, 82.0777,
14.8841

88.9315, 91.3419,
107.5513

66.3770, 81.7835,
13.0262

89.2536, 91.5079,
107.5664

65.9715, 81.5907,
12.2715

89.5772, 91.6748,
107.5815

Harmonies

Analogous

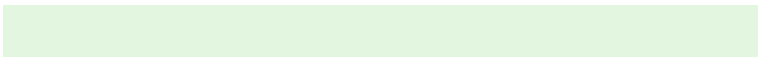
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7630, 87.9363, 76.7581



81.0632, 87.9363, 77.6667



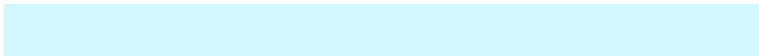
78.1223, 87.9363, 83.2171

Triad

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



81.0632, 87.9363, 77.6667



79.0826, 87.9363, 112.6399



90.9099, 87.9363, 99.1573

Complementary

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



81.0632, 87.9363, 77.6667



69.3523, 70.3369, 94.7199

Split Complementary

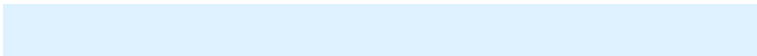
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2879, 87.9363, 109.4770



81.0632, 87.9363, 77.6667



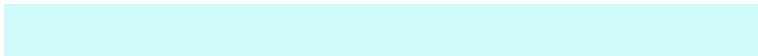
82.4096, 87.9363, 117.6362

Square

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



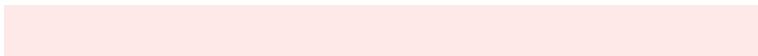
81.0632, 87.9363, 77.6667



77.0028, 87.9363, 103.2178



86.1500, 87.9363, 116.4373



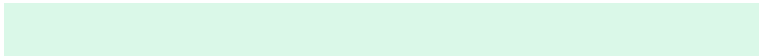
90.5232, 87.9363, 88.6469

Rectangle

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



81.0632, 87.9363, 77.6667



76.9520, 87.9363, 89.0483



86.1500, 87.9363, 116.4373



90.5797, 87.9363, 102.7749

Sweetspot

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



81.0656, 87.9402, 77.6686



93.7379, 99.4631, 102.5369



74.1468, 73.5890, 75.2632



19.9905, 21.2592, 21.5924



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.



81.0656, 87.9402, 77.6686



89.7123, 97.8126, 83.1533



76.6341, 85.6556, 77.4612



17.8501, 19.2803, 17.5782



36.2323, 44.7912, 6.7359



3.2032, 3.9463, 0.5929

Inverse Universe

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



69.3523, 70.3369, 94.7199



74.5887, 75.0842, 105.1692



73.4979, 72.4741, 94.9139



15.6382, 15.9561, 20.7982



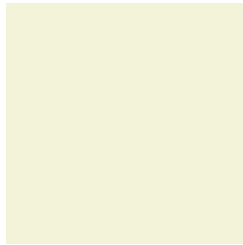
8.9656, 3.5963, 46.7596



0.8077, 0.3262, 4.1106

Previews

White Background



This preview shows how the XYZ color 81.0632, 87.9363, 77.6667 looks on a white background.

Color Contrast Check

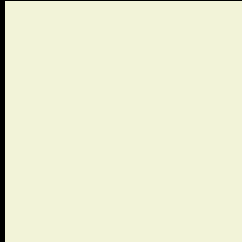
Large Text (above 18pt) WCAG AA × Fail

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 81.0632, 87.9363, 77.6667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

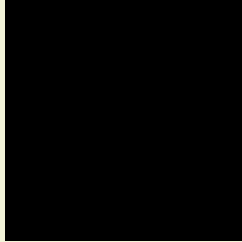
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

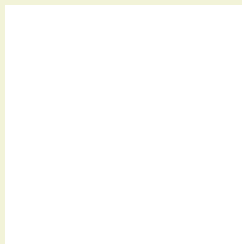
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0632, 87.9363, 77.6667

Background



This preview shows how black text looks on a background with the XYZ color 81.0632, 87.9363, 77.6667.

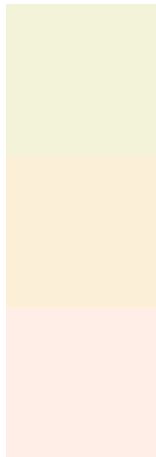


This preview shows how white text looks on a background with the XYZ color 81.0632, 87.9363,

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

81.0632, 87.9363, 77.6667

Protanopia

83.2095, 87.7357, 76.8391

Deuteranopia

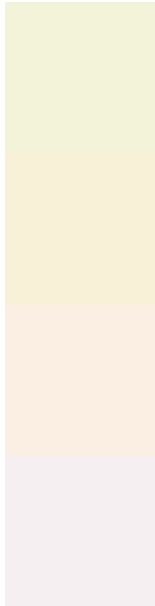
86.0897, 87.6546, 88.7255



Tritanopia

86.6920, 87.5625, 106.9398

Trichromacy



Original Color

81.0632, 87.9363, 77.6667

Protanomaly

82.4324, 87.7733, 76.8873

Deuteranomaly

84.0183, 87.5480, 84.4217

Tritanomaly

84.3999, 87.4964, 95.6592

Monochromacy



Original Color

81.0632, 87.9363, 77.6667

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1547, 87.3809, 88.1375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0632, 87.9363, 77.6667 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, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(242, 243, 216)  
}
```

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, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 81.0632, 87.9363, 77.6667 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, 243, 216) }
```


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

```
.border{ border-color:rgb(242, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(242, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0632, 87.9363, 77.6667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 243, 216) }
```

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

```
.background{ background-color: rgb(242,  
243, 216) }
```

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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