

Converting Colors

XYZ(82.0633, 87.3625, 63.4587)

Have a look what the booklet for
XYZ(82.0633, 87.3625, 63.4587)
contains.

XYZ(82.1377, 87.4752, 63.5942)	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(82.1377, 87.4752,
63.5942)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0C2
RGB	255, 240, 194
RGB Percent	100%, 94%, 76%
CMY	0.0000, 0.0588, 0.2392
CMYK	0.00, 0.06, 0.24, 0.00
HSL	45°, 100%, 88%
HSV	45°, 24%, 100%
XYZ	82.1377, 87.4752, 63.5942
YIQ	239.2410, 23.7060, -11.1260

Conversions

Conversions Part 2

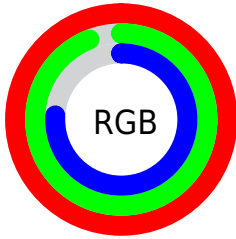
Format	Color
RYB	214, 255, 194
Decimal	16773314
CIELab	94.94, -1.93, 24.10
CIElCh	95, 24.173, 94.590
Yxy	87.4752, 0.3522, 0.3751
Android (android.graphics.Color)	4294963394 (0xFFFFF0C2)
YUV	239.2410, -22.3038, 13.8206
Hunter-Lab	93.5282, -6.9132, 25.1557

Details

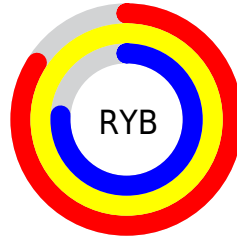
The XYZ color **82.1377, 87.4752, 63.5942** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.0981, 64.2884, 103.6910**, and the grayscale version is **82.3890, 86.6796, 94.3941**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **45.1628, 48.1802, 31.7303** is the 20% darker color. If you saturate the color by 10%, you get **77.7031, 82.8026, 49.1786**, and if you desaturate by 10%, it is **87.1317, 92.4795, 80.6229**.

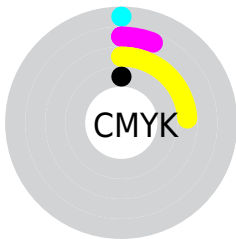
Distribution



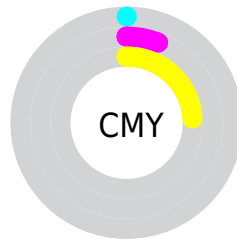
- Red (100%)
- Green (94%)
- Blue (76%)



- Red (84%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1377, 87.4752, 63.5942 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 82.1377, 87.4752, 63.5942 by changing the saturation by 10% instead.

82.1377, 87.4752,
63.5942

82.1377, 87.4752,
63.5942

490.7357,
519.7831, 455.8899

61.7935, 65.8885,
45.8780

135.3019,
143.8263, 111.6202

45.1209, 48.1819,
31.8016

168.8527,
179.3595, 142.7670

31.7543, 33.9710,
20.9464

207.5363,
220.3104, 179.2278

21.3286, 22.8713,
12.8940

251.7182,
267.0633, 221.4210

13.4782, 14.4985,
7.2257

301.7638,
320.0026, 269.7654

7.8379, 8.4682,
3.5231

358.0383,

4.0423, 4.3960,

379.5128, 324.6792

1.3675

420.9072,
445.9781, 386.5813

■ 1.7261, 1.8974,
0.1162

■ 0.4725, 0.5468,
0.0000

■ 82.1377, 87.4752,
63.5942

■ 82.1377, 87.4752,
63.5942

■ 77.7031, 82.8026,
49.1786

■ 87.1317, 92.4795,
80.6229

■ 73.7960, 78.4390,
37.2382

■ 92.7027, 97.8147,
100.3820

■ 70.3904, 74.3759,
27.6308

95.0500, 100.0000,
108.9000

■ 67.4555, 70.6001,
20.1976

■ 64.9569, 67.0965,
14.7595

■ 62.8543, 63.8482,
11.1092

■ 61.0991, 60.8345,
8.9929

■ 60.1599, 59.0997,
8.2366

Harmonies

Analogous

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



88.6713, 87.4752, 66.2096



82.1377, 87.4752, 63.5942



76.1880, 87.4752, 68.5030

Triad

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



82.1377, 87.4752, 63.5942



73.1883, 87.4752, 117.2517



95.0597, 87.4752, 111.5965

Complementary

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



82.1377, 87.4752, 63.5942



63.0981, 64.2884, 103.6910

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.



90.5080, 87.4752, 128.1741



82.1377, 87.4752, 63.5942



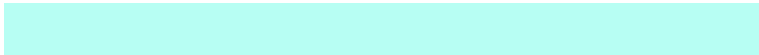
77.8485, 87.4752, 131.7285

Square

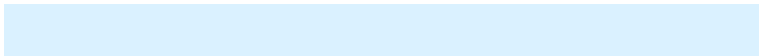
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1377, 87.4752, 63.5942



71.1966, 87.4752, 98.1644



84.1556, 87.4752, 135.9661



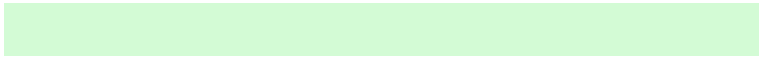
96.3551, 87.4752, 92.3852

Rectangle

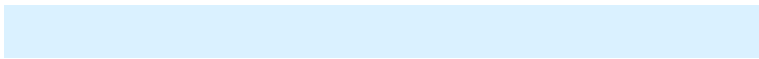
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1377, 87.4752, 63.5942



73.2835, 87.4752, 75.8165



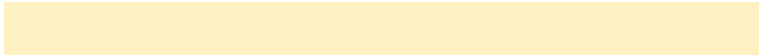
84.1556, 87.4752, 135.9661



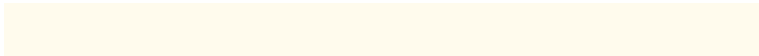
93.8484, 87.4752, 117.7392

Sweetspot

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



82.1398, 87.4790, 63.5960



90.9242, 96.1356, 93.9995



72.0720, 64.4604, 69.1285



19.3883, 20.5073, 19.8587



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

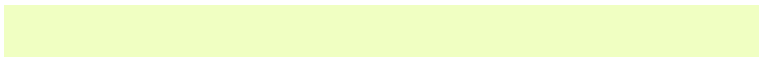
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1398, 87.4790, 63.5960



79.8185, 85.0640, 55.9551



81.3484, 93.8968, 64.8765



19.1608, 20.2898, 19.0508



31.5584, 31.1280, 4.3450



3.1584, 3.2021, 0.4516

Inverse Universe

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



63.0981, 64.2884, 103.6910



57.5936, 58.0014, 102.7676



63.7080, 59.3965, 102.7146



17.3656, 18.1029, 22.8289



10.4484, 5.8065, 50.0047



1.0988, 0.7282, 4.8959

Previews

White Background



This preview shows how the XYZ color 82.1377, 87.4752, 63.5942 looks on a white background.

Color Contrast Check

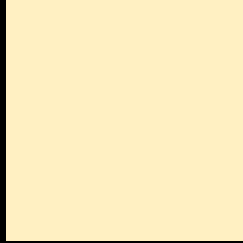
Large Text (above 18pt) WCAG AA × Fail

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 82.1377, 87.4752, 63.5942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

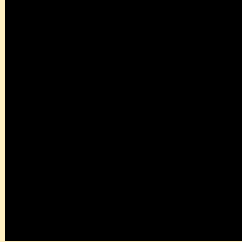
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.1377, 87.4752, 63.5942

Background



This preview shows how black text looks on a background with the XYZ color 82.1377, 87.4752, 63.5942.



This preview shows how white text looks on a background with the XYZ color 82.1377, 87.4752,

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

82.1377, 87.4752, 63.5942

Protanopia

82.1377, 87.4752, 63.5942

Deuteranopia

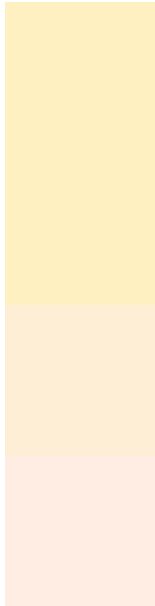
85.2517, 87.3194, 84.3126



Tritanopia

87.7368, 87.3921, 100.2398

Trichromacy



Original Color

82.1377, 87.4752, 63.5942

Protanomaly

82.1377, 87.4752, 63.5942

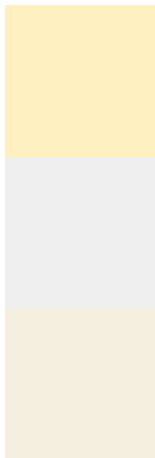
Deuteranomaly

83.9521, 87.2641, 76.0372

Tritanomaly

85.5278, 87.4298, 85.7666

Monochromacy



Original Color

82.1377, 87.4752, 63.5942

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.8420, 86.4732, 82.1895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1377, 87.4752, 63.5942 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(255, 240, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 194)  
}
```

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(255, 240, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 194) }
```

Border

The CSS property to change the border of an element to XYZ 82.1377, 87.4752, 63.5942 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(255, 240, 194) }
```


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

```
.border{ border-color:rgb(255, 240, 194) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1377, 87.4752, 63.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 194) }
```

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

```
.background{ background-color: rgb(255,  
240, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor