

Converting Colors

XYZ(82.5046, 87.7833, 65.0291)

Have a look what the booklet for
XYZ(82.5046, 87.7833, 65.0291)
contains.

XYZ(82.3639, 87.5657, 64.7854)	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(82.3639, 87.5657,
64.7854)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0C4
RGB	255, 240, 196
RGB Percent	100%, 94%, 77%
CMY	0.0000, 0.0588, 0.2314
CMYK	0.00, 0.06, 0.23, 0.00
HSL	45°, 100%, 88%
HSV	45°, 23%, 100%
XYZ	82.3639, 87.5657, 64.7854
YIQ	239.4690, 23.0640, -10.5040

Conversions

Conversions Part 2

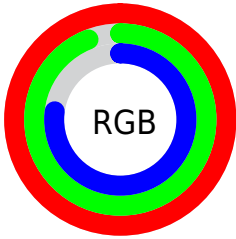
Format	Color
R _Y B	216, 255, 196
Decimal	16773316
CIE Lab	94.98, -1.66, 23.12
CIE LCh	95, 23.184, 94.112
Yxy	87.5657, 0.3509, 0.3731
Android (android.graphics.Color)	4294963396 (0xFFFFF0C4)
YUV	239.4690, -21.4302, 13.6207
Hunter-Lab	93.5765, -6.6474, 24.4556

Details

The XYZ color **82.3639, 87.5657, 64.7854** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.1087, 65.5424, 103.8798**, and the grayscale version is **82.5608, 86.8603, 94.5909**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **45.3117, 48.2397, 32.5142** is the 20% darker color. If you saturate the color by 10%, you get **77.8313, 82.7573, 50.1513**, and if you desaturate by 10%, it is **87.4622, 92.7154, 82.0440**.

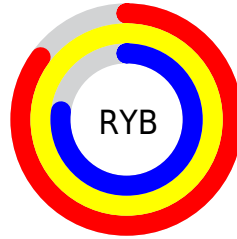
Distribution



Red (100%)

Green (94%)

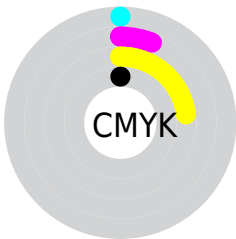
Blue (77%)



Red (85%)

Yellow (100%)

Blue (77%)

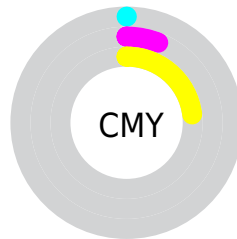


Cyan (0%)

Magenta (6%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3639, 87.5657, 64.7854 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 82.3639, 87.5657, 64.7854 by changing the saturation by 10% instead.

82.3639, 87.5657,
64.7854

82.3639, 87.5657,
64.7854

491.4802,
520.0799, 460.3055

61.9807, 65.9635,
46.8368

135.6174,
143.9524, 113.3516

45.2726, 48.2427,
32.5533

169.2183,
179.5056, 144.8063

31.8744, 34.0192,
21.5161

207.9558,
220.4779, 181.6002

21.4207, 22.9083,
13.3069

252.1954,
267.2537, 224.1517

13.5461, 14.5258,
7.5070

302.3022,
320.2174, 272.8795

7.8852, 8.4873,
3.6979

358.6417,

4.0728, 4.4083,

379.7535, 328.2020

1.4611

421.5792,
446.2462, 390.5378

■ 1.7434, 1.9045,
0.1887

■ 0.4832, 0.5511,
0.0000

■ 82.3639, 87.5657,
64.7854

■ 82.3639, 87.5657,
64.7854

■ 77.8313, 82.7573,
50.1513

■ 87.4622, 92.7154,
82.0440

■ 73.8325, 78.2674,
38.0046

■ 93.1438, 98.2055,
102.0437

■ 70.3417, 74.0874,
28.2042

95.0500, 100.0000,
108.9000

■ 67.3284, 70.2040,
20.5923

■ 64.7582, 66.6023,
14.9919

■ 62.5915, 63.2652,
11.1982

■ 60.7803, 60.1723,
8.9621

■ 59.6957, 58.1713,
8.0819

Harmonies

Analogous

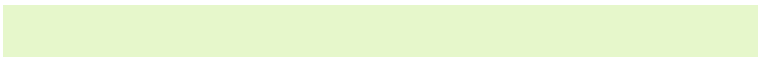
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6248, 87.5657, 67.4400



82.3639, 87.5657, 64.7854



76.6248, 87.5657, 69.4321

Triad

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



82.3639, 87.5657, 64.7854



73.6060, 87.5657, 116.1309



94.5971, 87.5657, 111.2908

Complementary

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



82.3639, 87.5657, 64.7854



64.1087, 65.5424, 103.8798

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.



90.2012, 87.5657, 127.0134



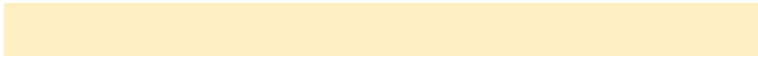
82.3639, 87.5657, 64.7854



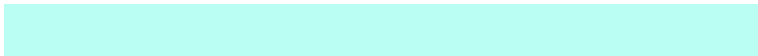
78.0559, 87.5657, 130.0458

Square

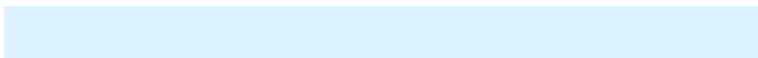
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3639, 87.5657, 64.7854



71.7325, 87.5657, 97.8508



84.0993, 87.5657, 134.2583



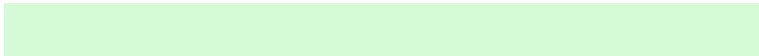
95.8917, 87.5657, 92.8807

Rectangle

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



82.3639, 87.5657, 64.7854



73.8044, 87.5657, 76.4366



84.0993, 87.5657, 134.2583



93.4226, 87.5657, 117.1377

Sweetspot

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



82.3660, 87.5695, 64.7872



90.8779, 96.0429, 93.9841



72.8306, 65.4809, 70.9126



19.3776, 20.4858, 19.8551



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.



82.3660, 87.5695, 64.7872



80.0919, 85.1881, 57.3495



82.0795, 94.2476, 66.0913



19.1474, 20.2631, 19.0463



31.3182, 30.6476, 4.2649



3.1367, 3.1588, 0.4444

Inverse Universe

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



64.1087, 65.5424, 103.8798



58.7823, 59.4827, 102.9909



64.3028, 60.3684, 102.8709



17.3781, 18.1279, 22.8331



10.5133, 5.9362, 50.0263



1.1066, 0.7439, 4.8985

Previews

White Background



This preview shows how the XYZ color 82.3639, 87.5657, 64.7854 looks on a white background.

Color Contrast Check

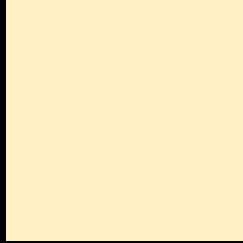
Large Text (above 18pt) WCAG AA × Fail

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 82.3639, 87.5657, 64.7854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

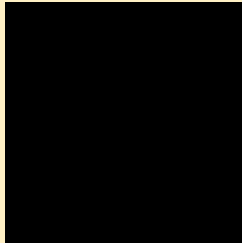
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3639, 87.5657, 64.7854

Background



This preview shows how black text looks on a background with the XYZ color 82.3639, 87.5657, 64.7854.



This preview shows how white text looks on a background with the XYZ color 82.3639, 87.5657,

64.7854.

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

82.3639, 87.5657, 64.7854

Protanopia

82.3639, 87.5657, 64.7854

Deuteranopia

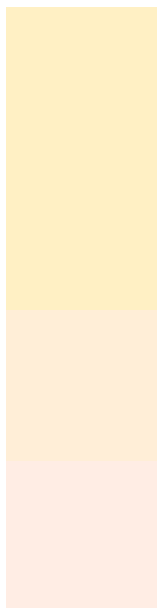
85.2517, 87.3194, 84.3126



Tritanopia

87.7368, 87.3921, 100.2398

Trichromacy



Original Color

82.3639, 87.5657, 64.7854

Protanomaly

82.3639, 87.5657, 64.7854

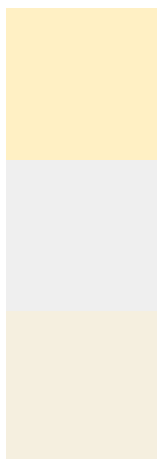
Deuteranomaly

84.0803, 87.3154, 76.7120

Tritanomaly

85.5278, 87.4298, 85.7666

Monochromacy



Original Color

82.3639, 87.5657, 64.7854

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 82.3639, 87.5657, 64.7854 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 196) }
```

Border

The CSS property to change the border of an element to XYZ 82.3639, 87.5657, 64.7854 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, 196) }
```


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

```
.border{ border-color:rgb(255, 240, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3639, 87.5657, 64.7854 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, 196) }
```

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

```
.background{ background-color: rgb(255,  
240, 196) }
```

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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