

Converting Colors

XYZ(82.1026, 88.9739, 58.7460)

Have a look what the booklet for
XYZ(82.1026, 88.9739, 58.7460)
contains.

XYZ(82.0475, 88.8640, 58.7270)	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(82.0475, 88.8640,
58.7270)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3B9
RGB	255, 243, 185
RGB Percent	100%, 95%, 73%
CMY	0.0000, 0.0470, 0.2745
CMYK	0.00, 0.05, 0.27, 0.00
HSL	50°, 100%, 86%
HSV	50°, 27%, 100%
XYZ	82.0475, 88.8640, 58.7270
YIQ	239.9760, 25.7700, -15.4940

Conversions

Conversions Part 2

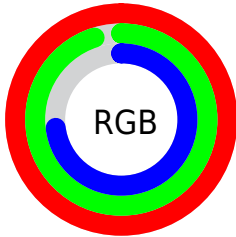
Format	Color
R _Y B	199, 255, 185
Decimal	16774073
CIE Lab	95.52, -4.63, 29.48
CIE LCh	96, 29.842, 98.918
Yxy	88.8640, 0.3573, 0.3870
Android (android.graphics.Color)	4294964153 (0xFFFFF3B9)
YUV	239.9760, -27.1032, 13.1760
Hunter-Lab	94.2677, -9.6080, 29.0508

Details

The XYZ color **82.0475, 88.8640, 58.7270** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.0233, 57.4650, 102.6414**, and the grayscale version is **82.9989, 87.3213, 95.0929**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **45.2239, 49.2124, 28.9452** is the 20% darker color. If you saturate the color by 10%, you get **78.3021, 85.3016, 45.3677**, and if you desaturate by 10%, it is **86.3113, 92.6898, 74.6431**.

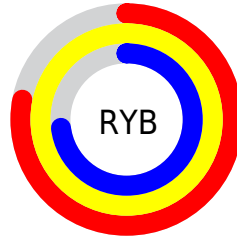
Distribution



Red (100%)

Green (95%)

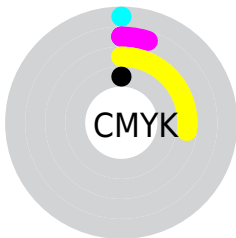
Blue (73%)



Red (78%)

Yellow (100%)

Blue (73%)

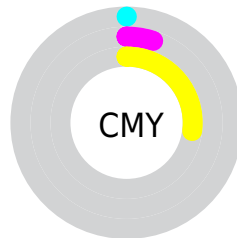


Cyan (0%)

Magenta (5%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.0475, 88.8640, 58.7270 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 82.0475, 88.8640, 58.7270 by changing the saturation by 10% instead.


 82.0475, 88.8640,
58.7270

 82.0475, 88.8640,
58.7270


490.4387,
524.3285, 437.5631

 61.7189, 67.0388,
41.9748


 135.1761,
145.7594, 104.5060

 45.0604, 49.1162,
28.7562


168.7068,
181.5985, 134.3699

 31.7065, 34.7117,
18.6524


207.3690,
222.8776, 169.4415

 21.2918, 23.4408,
11.2452

251.5279,
269.9813, 210.1392

 13.4512, 14.9194,
6.1157

301.5490,
323.2938, 256.8818

 7.8191, 8.7628,
2.8457

357.7976,

 4.0302, 4.5868,

383.1996, 310.0876

1.0164

420.6390,
450.0830, 370.1752

■ 1.7193, 2.0069,
0.0000

■ 0.4683, 0.6115,
0.0000

■ 82.0475, 88.8640,
58.7270

■ 82.0475, 88.8640,
58.7270

■ 78.3021, 85.3016,
45.3677

■ 86.3113, 92.6898,
74.6431

■ 75.0425, 81.9798,
34.4235

■ 91.1110, 96.7769,
93.2362

■ 72.2423, 78.8909,
25.7478

95.0500, 100.0000,
108.9000

■ 69.8701, 76.0220,
19.1752

■ 67.8900, 73.3583,
14.5183

■ 66.2599, 70.8826,
11.5561

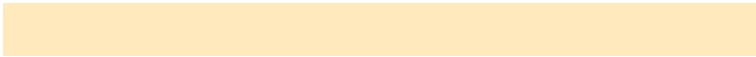
■ 64.9248, 68.5727,
10.0007

■ 64.6109, 68.0019,
9.7203

Harmonies

Analogous

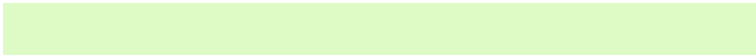
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2482, 88.8640, 60.5161



82.0475, 88.8640, 58.7270



74.9611, 88.8640, 65.7686

Triad

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



82.0475, 88.8640, 58.7270



72.8053, 88.8640, 127.9076



100.0066, 88.8640, 113.8843

Complementary

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



82.0475, 88.8640, 58.7270



58.0233, 57.4650, 102.6414

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.



94.7348, 88.8640, 136.2121



82.0475, 88.8640, 58.7270



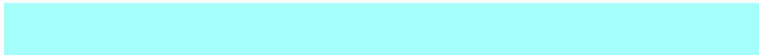
78.9297, 88.8640, 145.1738

Square

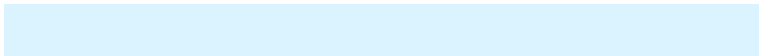
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0475, 88.8640, 58.7270



69.8560, 88.8640, 103.9107



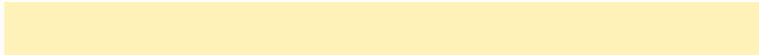
86.9246, 88.8640, 148.4362



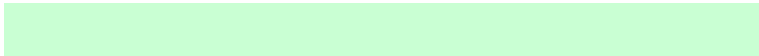
100.9753, 88.8640, 89.9409

Rectangle

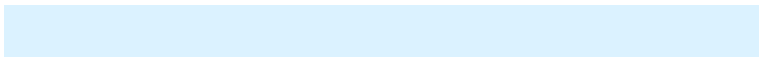
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0475, 88.8640, 58.7270



71.6943, 88.8640, 75.3135



86.9246, 88.8640, 148.4362



98.6634, 88.8640, 121.9292

Sweetspot

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



82.0497, 88.8680, 58.7289



90.8327, 96.5452, 92.1423



68.7634, 60.0284, 61.2888



19.2808, 20.5298, 19.0908



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.



82.0497, 88.8680, 58.7289



79.9080, 86.8578, 51.0068



78.0673, 92.3186, 59.6048



19.2808, 20.5298, 19.0908



33.8579, 35.7270, 5.1115



3.3634, 3.6121, 0.5199

Inverse Universe

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



58.0233, 57.4650, 102.6414



52.2171, 50.6714, 101.6362



61.1785, 55.2084, 102.0396



17.2545, 17.8806, 22.7918



9.9690, 4.8475, 49.8448



1.0371, 0.6049, 4.8754

Previews

White Background



This preview shows how the XYZ color 82.0475, 88.8640, 58.7270 looks on a white background.

Color Contrast Check

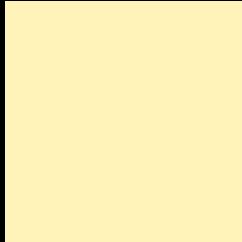
Large Text (above 18pt) WCAG AA × Fail

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 82.0475, 88.8640, 58.7270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

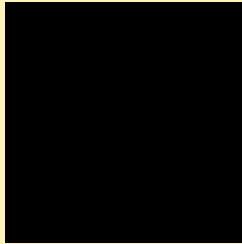
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.0475, 88.8640, 58.7270

Background



This preview shows how black text looks on a background with the XYZ color 82.0475, 88.8640, 58.7270.



This preview shows how white text looks on a background with the XYZ color 82.0475, 88.8640,

58.7270.

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

82.0475, 88.8640, 58.7270

Protanopia

83.4175, 88.9344, 67.4131

Deuteranopia

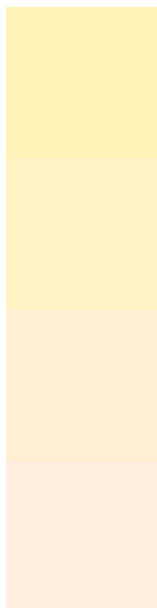
86.1101, 88.5944, 85.9607



Tritanopia

88.4675, 88.6057, 101.2468

Trichromacy



Original Color

82.0475, 88.8640, 58.7270

Protanomaly

82.8425, 88.7044, 64.3852

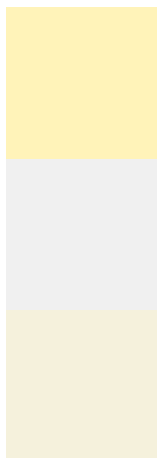
Deuteranomaly

84.2838, 88.3336, 74.8952

Tritanomaly

85.6971, 88.4292, 83.7860

Monochromacy



Original Color

82.0475, 88.8640, 58.7270

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.0298, 87.4904, 80.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0475, 88.8640, 58.7270 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, 243, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 185)  
}
```

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, 243, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 185) }
```

Border

The CSS property to change the border of an element to XYZ 82.0475, 88.8640, 58.7270 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, 243, 185) }
```


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

```
.border{ border-color:rgb(255, 243, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0475, 88.8640, 58.7270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 185) }
```

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

```
.background{ background-color: rgb(255,  
243, 185) }
```

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