

Converting Colors

XYZ(116.3216, 101.3971,
61.7163)

Have a look what the booklet for
XYZ(116.3216, 101.3971, 61.7163)
contains.

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Color

**XYZ(79.0012, 82.0860,
59.8245)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7BD
RGB	255, 231, 189
RGB Percent	100%, 91%, 74%
CMY	0.0000, 0.0941, 0.2588
CMYK	0.00, 0.09, 0.26, 0.00
HSL	38°, 100%, 87%
HSV	38°, 26%, 100%
XYZ	79.0012, 82.0860, 59.8245
YIQ	233.3880, 27.7860, -7.9740

Conversions

Conversions Part 2

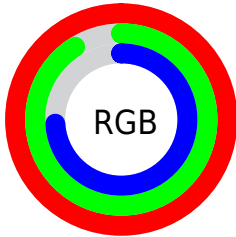
Format	Color
R _Y B	227, 255, 189
Decimal	16771005
CIE Lab	92.61, 1.95, 23.45
CIE LCh	93, 23.536, 85.238
Yxy	82.0860, 0.3576, 0.3716
Android (android.graphics.Color)	4294961085 (0xFFFFE7BD)
YUV	233.3880, -21.8833, 18.9537
Hunter-Lab	90.6013, -2.9065, 24.2714

Details

The XYZ color **79.0012, 82.0860, 59.8245** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.8299, 65.6253, 103.9632**, and the grayscale version is **77.8914, 81.9478, 89.2412**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **43.1872, 44.8057, 29.2938** is the 20% darker color. If you saturate the color by 10%, you get **73.9472, 76.0248, 45.6634**, and if you desaturate by 10%, it is **84.6835, 88.6241, 76.5978**.

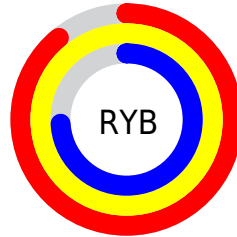
Distribution



Red (100%)

Green (91%)

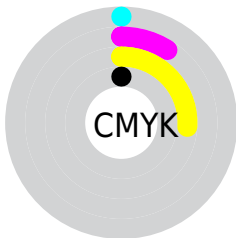
Blue (74%)



Red (89%)

Yellow (100%)

Blue (74%)

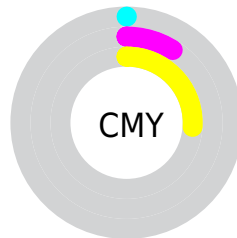


Cyan (0%)

Magenta (9%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.0012, 82.0860, 59.8245 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 79.0012, 82.0860, 59.8245 by changing the saturation by 10% instead.


 79.0012, 82.0860,
59.8245

 79.0012, 82.0860,
59.8245


480.3484,
501.9353, 441.7373

 59.2024, 61.4364,
42.8528


 130.9185,
136.2946, 106.1159

 43.0231, 44.5775,
29.4391


163.7677,
170.6224, 136.2727

 30.0978, 31.1247,
19.1648


201.6977,
210.2784, 171.6617

 20.0613, 20.6939,
11.6114

245.0740,
255.6470, 212.7013

 12.5481, 12.9004,
6.3604

294.2619,
307.1126, 259.8101

 7.1930, 7.3600,
2.9931

349.6266,

 3.6305, 3.6882,

365.0596, 313.4067

1.0911

411.5337,
429.8724, 373.9096

■ 1.4953, 1.5007,
0.0000

■ 0.3226, 0.2893,
0.0000

■ 79.0012, 82.0860,
59.8245

■ 79.0012, 82.0860,
59.8245

■ 73.9472, 76.0248,
45.6634

■ 84.6835, 88.6241,
76.5978

■ 69.4876, 70.4151,
33.9746

■ 91.0136, 95.6417,
96.1034

■ 65.5947, 65.2451,
24.6125

95.0500, 100.0000,
108.9000

■ 62.2354, 60.4982,
17.4144

■ 59.3726, 56.1557,
12.1960

■ 56.9632, 52.1969,
8.7419

■ 54.9543, 48.5966,
6.7854

■ 54.2124, 47.2048,
6.2541

Harmonies

Analogous

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



84.9237, 82.0860, 64.4522



79.0012, 82.0860, 59.8245



73.1097, 82.0860, 62.2285

Triad

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



79.0012, 82.0860, 59.8245



67.8530, 82.0860, 104.5307



88.0921, 82.0860, 110.0023

Complementary

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



79.0012, 82.0860, 59.8245



62.8299, 65.6253, 103.9632

Split Complementary

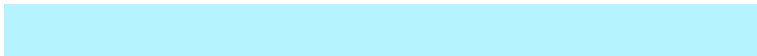
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1459, 82.0860, 123.4580



79.0012, 82.0860, 59.8245



71.5015, 82.0860, 120.0206

Square

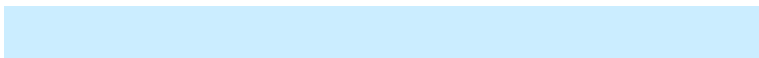
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0012, 82.0860, 59.8245



66.8714, 82.0860, 86.6092



77.0475, 82.0860, 127.3438



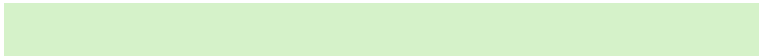
90.3442, 82.0860, 92.2046

Rectangle

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



79.0012, 82.0860, 59.8245



69.9598, 82.0860, 67.6855



77.0475, 82.0860, 127.3438



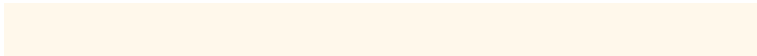
86.6773, 82.0860, 115.2703

Sweetspot

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



79.0033, 82.0897, 59.8262



89.6172, 94.1141, 91.7371



71.4738, 62.4704, 71.3757



18.9734, 19.9150, 18.9883



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

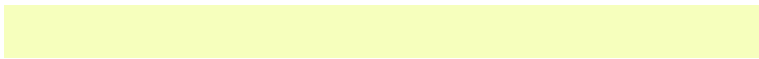
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0033, 82.0897, 59.8262



76.3390, 78.9276, 52.2594



83.0218, 94.8233, 62.0722



18.9734, 19.9150, 18.9883



28.4742, 24.9595, 3.3169



2.8764, 2.6382, 0.3576

Inverse Universe

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



62.8299, 65.6253, 103.9632



57.7001, 59.9580, 103.1397



59.4845, 55.5949, 102.2035



17.5436, 18.4588, 22.8882



11.5923, 8.0942, 50.3859



1.2282, 0.9871, 4.9391

Previews

White Background



This preview shows how the XYZ color 79.0012, 82.0860, 59.8245 looks on a white background.

Color Contrast Check

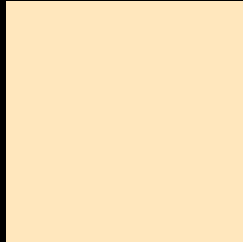
Large Text (above 18pt) WCAG AA × Fail

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 79.0012, 82.0860, 59.8245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

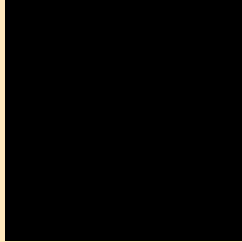
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.0012, 82.0860, 59.8245

Background



This preview shows how black text looks on a background with the XYZ color 79.0012, 82.0860, 59.8245.



This preview shows how white text looks on a background with the XYZ color 79.0012, 82.0860,

59.8245.

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

79.0012, 82.0860, 59.8245

Protanopia

77.1446, 81.9520, 60.4676

Deuteranopia

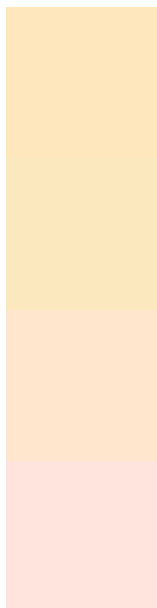
81.1430, 82.0521, 73.8483



Tritanopia

84.1645, 81.9440, 93.8189

Trichromacy



Original Color

79.0012, 82.0860, 59.8245

Protanomaly

77.9345, 81.9402, 60.4236

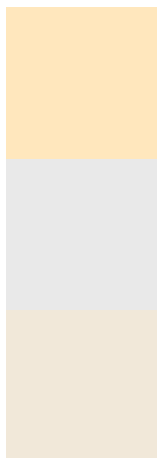
Deuteranomaly

80.4359, 82.2133, 68.7561

Tritanomaly

82.0345, 81.9673, 79.9042

Monochromacy



Original Color

79.0012, 82.0860, 59.8245

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6566, 81.4238, 77.2691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.0012, 82.0860, 59.8245 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, 231, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 189)  
}
```

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, 231, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 189) }
```

Border

The CSS property to change the border of an element to XYZ 79.0012, 82.0860, 59.8245 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, 231, 189) }
```


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

```
.border{ border-color:rgb(255, 231, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 79.0012, 82.0860, 59.8245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 189) }
```

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

```
.background{ background-color: rgb(255,  
231, 189) }
```

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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