

Converting Colors

XYZ(73.7898, 76.8773, 42.6905)

Have a look what the booklet for
XYZ(73.7898, 76.8773, 42.6905)
contains.

XYZ(73.9815, 77.0056, 42.8626) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(73.9815, 77.0056,
42.8626)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE09D
RGB	255, 224, 157
RGB Percent	100%, 88%, 62%
CMY	0.0000, 0.1215, 0.3843
CMYK	0.00, 0.12, 0.38, 0.00
HSL	41°, 100%, 81%
HSV	41°, 38%, 100%
XYZ	73.9815, 77.0056, 42.8626
YIQ	225.6310, 39.9830, -14.2650

Conversions

Conversions Part 2

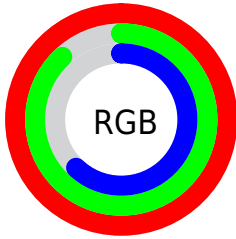
Format	Color
R _Y B	202, 255, 157
Decimal	16769181
CIE Lab	90.32, 1.64, 36.74
CIE LCh	90, 36.776, 87.439
Yxy	77.0056, 0.3816, 0.3972
Android (android.graphics.Color)	4294959261 (0xFFFFE09D)
YUV	225.6310, -33.8351, 25.7566
Hunter-Lab	87.7528, -3.0800, 32.4670

Details

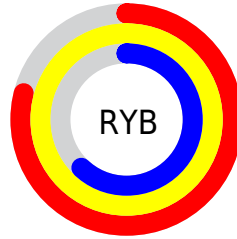
The XYZ color **73.9815, 77.0056, 42.8626** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.9374, 50.3530, 101.6949**, and the grayscale version is **72.2402, 76.0023, 82.7665**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **39.7637, 41.2662, 19.2340** is the 20% darker color. If you saturate the color by 10%, you get **69.9118, 71.9941, 31.8631**, and if you desaturate by 10%, it is **78.6122, 82.4115, 56.2923**.

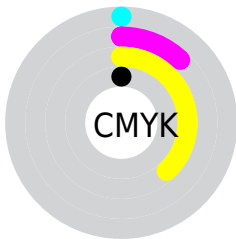
Distribution



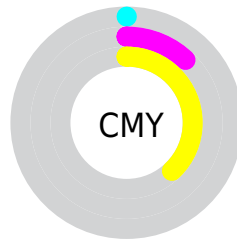
- Red (100%)
- Green (88%)
- Blue (62%)



- Red (79%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (12%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.9815, 77.0056, 42.8626 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 73.9815, 77.0056, 42.8626 by changing the saturation by 10% instead.


 73.9815, 77.0056,
42.8626


 73.9815, 77.0056,
42.8626

463.4608,
484.7831, 373.9510

 55.0701, 57.2575,
29.4467


 123.8652,
129.1474, 80.7876

 39.6919, 41.2120,
19.1705


 155.5683,
162.3098, 106.1338

 27.4816, 28.4848,
11.6155


192.2659,
200.7125, 136.2939

 18.0737, 18.6914,
6.3631

234.3236,
244.7398, 171.6864

 11.1029, 11.4475,
2.9948

282.1065,
294.7761, 212.7298

 6.2039, 6.3687,
1.0920

335.9801,

 3.0113, 3.0705,

351.2059, 259.8426

0.0000

396.3098,
414.4134, 313.4435

■ 1.1597, 1.1687,
0.0000

■ 0.0742, 0.0359,
0.0000

■ 73.9815, 77.0056,
42.8626

■ 73.9815, 77.0056,
42.8626

■ 69.9118, 71.9941,
31.8631

■ 78.6122, 82.4115,
56.2923

■ 66.3675, 67.3523,
23.1386

■ 83.8256, 88.2145,
72.2849

■ 63.3173, 63.0681,
16.5232

■ 89.6491, 94.4304,
90.9693

■ 60.7238, 59.1241,
11.8263

95.0500, 100.0000,
108.9000

■ 58.5426, 55.5003,
8.8223

■ 56.7123, 52.1696,
7.1956

■ 56.4441, 51.6681,
6.9980

Harmonies

Analogous

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



83.0898, 77.0056, 48.1013



73.9815, 77.0056, 42.8626



65.3686, 77.0056, 46.5615

Triad

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



73.9815, 77.0056, 42.8626



58.6411, 77.0056, 109.3154



89.0690, 77.0056, 114.0419

Complementary

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



73.9815, 77.0056, 42.8626



49.9374, 50.3530, 101.6949

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.



81.6149, 77.0056, 137.0779



73.9815, 77.0056, 42.8626



64.1123, 77.0056, 133.9731

Square

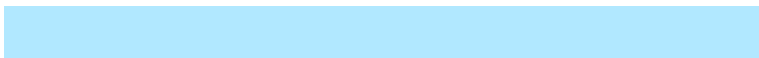
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.9815, 77.0056, 42.8626



56.9626, 77.0056, 81.6118



72.4072, 77.0056, 145.0358



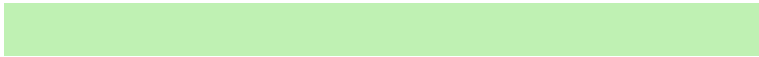
92.2426, 77.0056, 86.1206

Rectangle

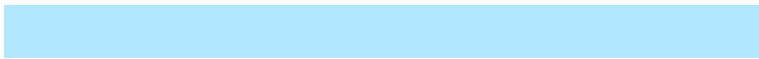
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.9815, 77.0056, 42.8626



60.9653, 77.0056, 54.1368



72.4072, 77.0056, 145.0358



86.9519, 77.0056, 122.8176

Sweetspot

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



73.9834, 77.0091, 42.8642



87.4988, 92.1635, 83.9834



62.3782, 49.0070, 53.7682



18.5642, 19.5521, 17.4476



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.



73.9834, 77.0091, 42.8642



70.8517, 73.1782, 34.3215



76.7823, 91.9647, 45.6034



19.0483, 20.0648, 19.0133



29.6334, 27.2780, 3.7033



2.9835, 2.8524, 0.3933

Inverse Universe

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



49.9374, 50.3530, 101.6949



43.7724, 43.1792, 100.6351



47.7795, 40.4450, 99.8962



17.4718, 18.3152, 22.8643



11.0730, 7.0555, 50.2128



1.1713, 0.8734, 4.9201

Previews

White Background



This preview shows how the XYZ color 73.9815, 77.0056, 42.8626 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 73.9815, 77.0056, 42.8626 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 73.9815, 77.0056, 42.8626

Background



This preview shows how black text looks on a background with the XYZ color 73.9815, 77.0056, 42.8626.



This preview shows how white text looks on a background with the XYZ color 73.9815, 77.0056,

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

73.9815, 77.0056, 42.8626

Protanopia

71.6467, 76.9996, 43.4340

Deuteranopia

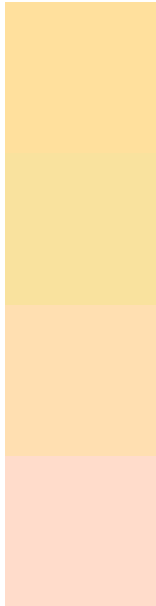
76.5466, 77.1767, 59.0063



Tritanopia

80.5943, 77.1160, 85.5000

Trichromacy



Original Color

73.9815, 77.0056, 42.8626

Protanomaly

72.4348, 77.0011, 43.3927

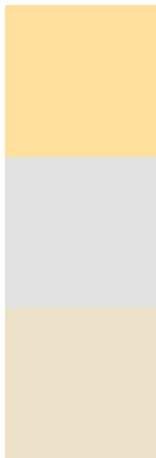
Deuteranomaly

75.5635, 77.2097, 52.5153

Tritanomaly

77.6127, 76.7582, 67.2251

Monochromacy



Original Color

73.9815, 77.0056, 42.8626

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.3929, 76.0720, 66.1262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.9815, 77.0056, 42.8626 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, 224, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 157)  
}
```

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, 224, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 157) }
```

Border

The CSS property to change the border of an element to XYZ 73.9815, 77.0056, 42.8626 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, 224, 157) }
```


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

```
.border{ border-color:rgb(255, 224, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 224, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 224, 157); box-shadow:4px 4px 4px 4px rgb(255, 224, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 73.9815, 77.0056, 42.8626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 157) }
```

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

```
.background{ background-color: rgb(255,  
224, 157) }
```

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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