

Converting Colors

XYZ(75.7516, 80.3940, 43.9210)

Have a look what the booklet for
XYZ(75.7516, 80.3940, 43.9210)
contains.

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Color

**XYZ(75.7084, 80.3223,
43.8612)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE69E
RGB	255, 230, 158
RGB Percent	100%, 90%, 62%
CMY	0.0000, 0.0980, 0.3804
CMYK	0.00, 0.10, 0.38, 0.00
HSL	45°, 100%, 81%
HSV	45°, 38%, 100%
XYZ	75.7084, 80.3223, 43.8612
YIQ	229.2670, 38.0120, -17.0920

Conversions

Conversions Part 2

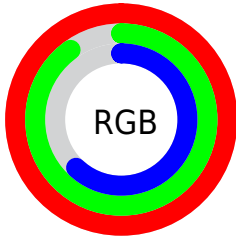
Format	Color
R _Y B	192, 255, 158
Decimal	16770718
CIE Lab	91.83, -1.29, 38.20
CIE LCh	92, 38.227, 91.939
Yxy	80.3223, 0.3787, 0.4018
Android (android.graphics.Color)	4294960798 (0xFFFFE69E)
YUV	229.2670, -35.1346, 22.5678
Hunter-Lab	89.6227, -6.0526, 33.7195

Details

The XYZ color **75.7084, 80.3223, 43.8612** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.0836, 48.3545, 101.3541**, and the grayscale version is **74.9056, 78.8065, 85.8203**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **40.9574, 43.5709, 19.8870** is the 20% darker color. If you saturate the color by 10%, you get **71.9436, 75.9484, 32.8781**, and if you desaturate by 10%, it is **80.0015, 85.0237, 57.2690**.

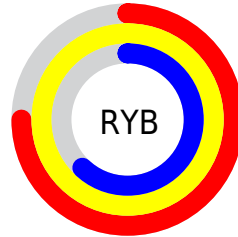
Distribution



Red (100%)

Green (90%)

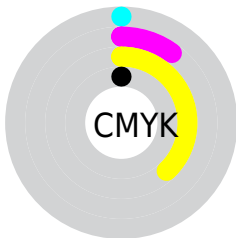
Blue (62%)



Red (75%)

Yellow (100%)

Blue (62%)

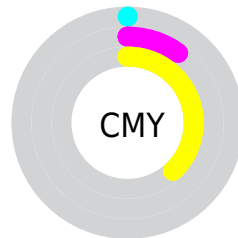


Cyan (0%)

Magenta (10%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.7084, 80.3223, 43.8612 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 75.7084, 80.3223, 43.8612 by changing the saturation by 10% instead.


 75.7084, 80.3223,
43.8612


 75.7084, 80.3223,
43.8612


469.3087,
496.0183, 378.1663

 56.4896, 59.9836,
30.2250


 126.2972,
133.8188, 82.3091

 40.8342, 43.4054,
19.7559


 158.3979,
167.7453, 107.9579

 28.3766, 30.2033,
12.0354


195.5234,
206.9700, 138.4479

 18.7517, 19.9930,
6.6450

238.0389,
251.8771, 174.1978

 11.5939, 12.3899,
3.1660

286.3098,
302.8511, 215.6261

 6.5380, 7.0098,
1.1800

340.7015,

 3.2186, 3.4682,

360.2764, 263.1512

0.0000

401.5793,
424.5374, 317.1918

■ 1.2704, 1.3808,
0.0000

■ 0.1609, 0.2025,
0.0000

■ 75.7084, 80.3223,
43.8612

■ 75.7084, 80.3223,
43.8612

■ 71.9436, 75.9484,
32.8781

■ 80.0015, 85.0237,
57.2690

■ 68.6721, 71.8780,
24.1650

■ 84.8437, 90.0532,
73.2333

■ 65.8636, 68.1006,
17.5570

■ 90.2617, 95.4257,
91.8824

■ 63.4813, 64.6003,
12.8650

95.0500, 100.0000,
108.9000

■ 61.4820, 61.3587,
9.8652

■ 59.8074, 58.3510,
8.2543

■ 59.5010, 57.7819,
8.0170

Harmonies

Analogous

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



85.5524, 80.3223, 47.9667



75.7084, 80.3223, 43.8612



66.8062, 80.3223, 49.2000

Triad

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



75.7084, 80.3223, 43.8612



61.4483, 80.3223, 119.2134



94.2022, 80.3223, 115.3690

Complementary

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



75.7084, 80.3223, 43.8612



49.0836, 48.3545, 101.3541

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.



86.7489, 80.3223, 141.6911



75.7084, 80.3223, 43.8612



67.8211, 80.3223, 144.2238

Square

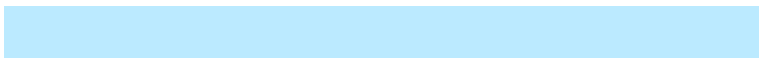
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7084, 80.3223, 43.8612



59.0228, 80.3223, 89.2953



76.9830, 80.3223, 153.2132



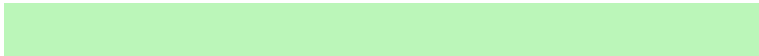
96.7601, 80.3223, 85.6448

Rectangle

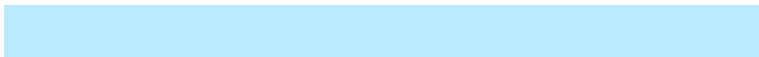
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7084, 80.3223, 43.8612



62.4522, 80.3223, 58.2362



76.9830, 80.3223, 153.2132



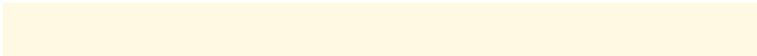
92.1565, 80.3223, 125.1105

Sweetspot

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



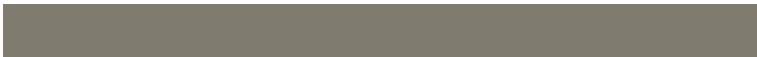
75.7104, 80.3260, 43.8629



88.5957, 93.7982, 86.0722



62.1052, 49.1696, 51.4924



18.8036, 19.9194, 17.8711



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

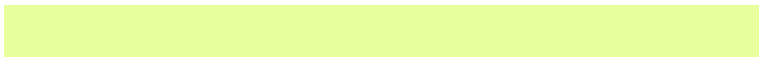
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7104, 80.3260, 43.8629



72.6703, 76.8153, 34.9277



75.3298, 91.2060, 45.9830



19.1418, 20.2518, 19.0444



31.2174, 30.4461, 4.2313



3.1276, 3.1406, 0.4414

Inverse Universe

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



49.0836, 48.3545, 101.3541



42.4704, 40.5752, 100.2011



49.2478, 41.4542, 100.0136



17.3834, 18.1385, 22.8348



10.5415, 5.9927, 50.0357



1.1100, 0.7507, 4.8997

Previews

White Background



This preview shows how the XYZ color 75.7084, 80.3223, 43.8612 looks on a white background.

Color Contrast Check

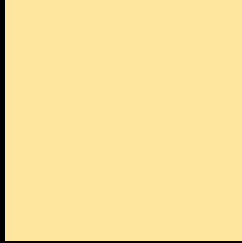
Large Text (above 18pt) WCAG AA × Fail

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 75.7084, 80.3223, 43.8612 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 75.7084, 80.3223, 43.8612

Background



This preview shows how black text looks on a background with the XYZ color 75.7084, 80.3223, 43.8612.



This preview shows how white text looks on a background with the XYZ color 75.7084, 80.3223,

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

75.7084, 80.3223, 43.8612

Protanopia

74.8983, 80.7257, 44.4349

Deuteranopia

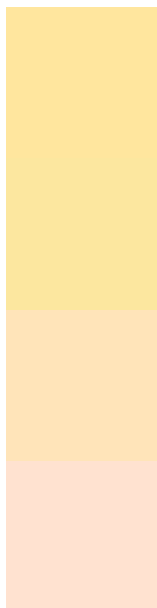
79.1344, 80.3683, 65.9854



Tritanopia

82.7680, 80.0915, 90.4537

Trichromacy



Original Color

75.7084, 80.3223, 43.8612

Protanomaly

74.9788, 80.3505, 44.3583

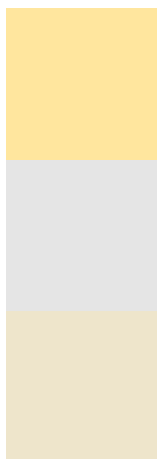
Deuteranomaly

77.7404, 80.2496, 57.2913

Tritanomaly

79.8215, 80.2068, 70.9489

Monochromacy



Original Color

75.7084, 80.3223, 43.8612

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.0587, 78.5276, 67.7539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7084, 80.3223, 43.8612 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, 230, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 158)  
}
```

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, 230, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 158) }
```

Border

The CSS property to change the border of an element to XYZ 75.7084, 80.3223, 43.8612 is called "border". The border property can be set on classes, ids or directly on the HTML element.

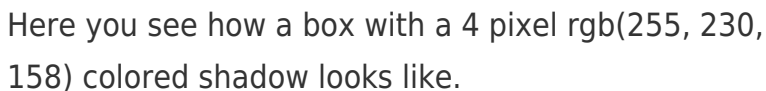
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 230, 158) }
```


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

```
.border{ border-color:rgb(255, 230, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 230, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 230, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 230, 158); box-shadow:4px 4px 4px 4px rgb(255, 230, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7084, 80.3223, 43.8612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 158) }
```

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

```
.background{ background-color: rgb(255,  
230, 158) }
```

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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