

Converting Colors

XYZ(76.9208, 82.6088, 44.6918)

Have a look what the booklet for
XYZ(76.9208, 82.6088, 44.6918)
contains.

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Color

**XYZ(76.9208, 82.6088,
44.6918)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA9F
RGB	255, 234, 159
RGB Percent	100%, 92%, 62%
CMY	0.0000, 0.0823, 0.3765
CMYK	0.00, 0.08, 0.38, 0.00
HSL	47°, 100%, 81%
HSV	47°, 38%, 100%
XYZ	76.9208, 82.6088, 44.6918
YIQ	231.7290, 36.5910, -18.8730

Conversions

Conversions Part 2

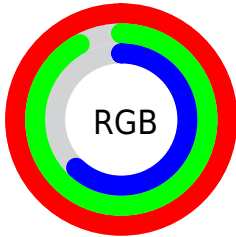
Format	Color
R _Y B	186, 255, 159
Decimal	16771743
CIE Lab	92.84, -3.20, 39.03
CIE LCh	93, 39.157, 94.690
Yxy	82.6088, 0.3767, 0.4045
Android (android.graphics.Color)	4294961823 (0xFFFFEA9F)
YUV	231.7290, -35.8554, 20.4087
Hunter-Lab	90.8894, -7.9897, 34.4687

Details

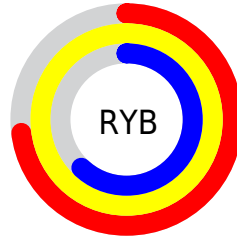
The XYZ color **76.9208, 82.6088, 44.6918** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.6689, 47.2320, 101.1593**, and the grayscale version is **76.7413, 80.7378, 87.9235**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **41.5479, 44.7517, 20.0838** is the 20% darker color. If you saturate the color by 10%, you get **73.3703, 78.6910, 33.6946**, and if you desaturate by 10%, it is **80.9819, 86.8167, 58.1131**.

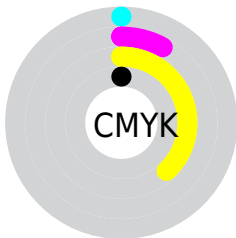
Distribution



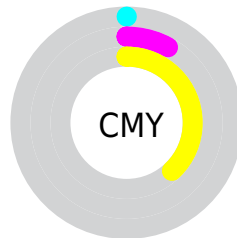
- Red (100%)
- Green (92%)
- Blue (62%)



- Red (73%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (8%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9208, 82.6088, 44.6918 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 76.9208, 82.6088, 44.6918 by changing the saturation by 10% instead.


 76.9208, 82.6088,
44.6918


 76.9208, 82.6088,
44.6918


473.3900,
503.6818, 381.6476

 57.4876, 61.8675,
30.8736


 128.0011,
137.0274, 83.5713

 41.6385, 44.9256,
20.2449

 160.3789,
171.4735, 109.4696

 29.0082, 31.3989,
12.3874

197.8023,
211.2566, 140.2317

 19.2313, 20.9028,
6.8823


240.6366,
256.7612, 176.2761

 11.9425, 13.0529,
3.3113

289.2471,
308.3716, 218.0213

 6.7765, 7.4650,
1.2557

343.9993,

 3.3678, 3.7546,

366.4723, 265.8860

0.0251

405.2585,
431.4475, 320.2885

■ 1.3511, 1.5372,
0.0000

■ 0.2210, 0.3147,
0.0000

■ 76.9208, 82.6088,
44.6918

■ 76.9208, 82.6088,
44.6918

■ 73.3703, 78.6910,
33.6946

■ 80.9819, 86.8167,
58.1131

■ 70.2954, 75.0398,
24.9672

■ 85.5738, 91.3146,
74.0895

■ 67.6665, 71.6454,
18.3458

■ 90.7229, 96.1168,
92.7491

■ 65.4472, 68.4927,
13.6422

95.0500, 100.0000,
108.9000

■ 63.5951, 65.5639,
10.6346

■ 62.0541, 62.8357,
9.0303

■ 61.7174, 62.2149,
8.7558

Harmonies

Analogous

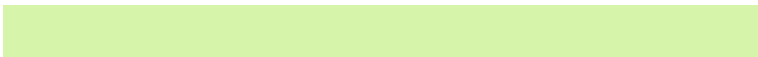
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2257, 82.6088, 48.0448



76.9208, 82.6088, 44.6918



67.8512, 82.6088, 51.1394

Triad

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



76.9208, 82.6088, 44.6918



63.4359, 82.6088, 125.9476



97.6645, 82.6088, 116.2296

Complementary

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



76.9208, 82.6088, 44.6918



48.6689, 47.2320, 101.1593

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.



90.2461, 82.6088, 144.6405



76.9208, 82.6088, 44.6918



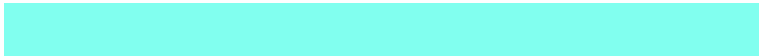
70.4085, 82.6088, 151.0513

Square

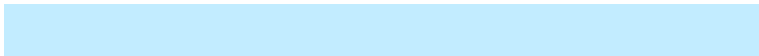
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9208, 82.6088, 44.6918



60.5078, 82.6088, 94.6292



80.1355, 82.6088, 158.5419



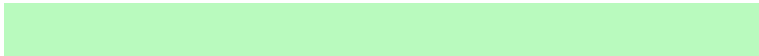
99.7864, 82.6088, 85.4218

Rectangle

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



76.9208, 82.6088, 44.6918



63.5419, 82.6088, 61.1698



80.1355, 82.6088, 158.5419



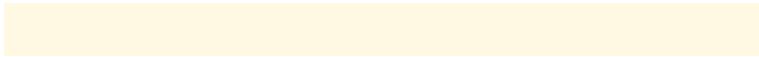
95.6778, 82.6088, 126.5742

Sweetspot

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



76.9229, 82.6126, 44.6935



88.9324, 94.4717, 86.1845



62.0203, 49.4098, 50.2007



18.8842, 20.0806, 17.8979



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

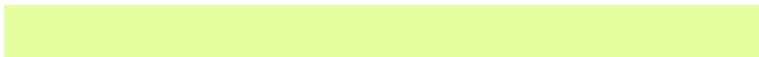
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9229, 82.6126, 44.6935



74.2626, 79.7019, 36.3777



74.4593, 90.7472, 46.3935



19.2044, 20.3769, 19.0653



32.3638, 32.7388, 4.6135



3.2306, 3.3465, 0.4757

Inverse Universe

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



48.6689, 47.2320, 101.1593



42.4247, 39.8519, 100.0639



50.3602, 42.2819, 100.1147



17.3250, 18.0217, 22.8154



10.2532, 5.4161, 49.9396



1.0746, 0.6798, 4.8879

Previews

White Background



This preview shows how the XYZ color 76.9208, 82.6088, 44.6918 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 76.9208, 82.6088, 44.6918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

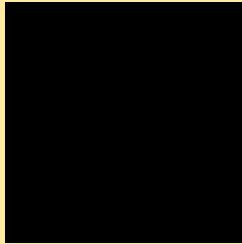
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9208, 82.6088, 44.6918

Background



This preview shows how black text looks on a background with the XYZ color 76.9208, 82.6088, 44.6918.



This preview shows how white text looks on a background with the XYZ color 76.9208, 82.6088,

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

76.9208, 82.6088, 44.6918

Protanopia

76.5539, 82.4197, 44.6747

Deuteranopia

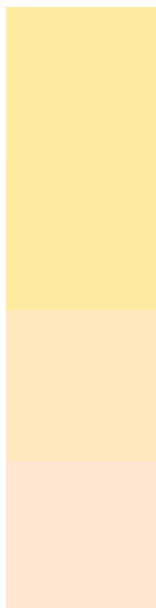
80.7993, 82.3586, 70.6697



Tritanopia

84.2891, 82.4302, 93.1295

Trichromacy



Original Color

76.9208, 82.6088, 44.6918

Protanomaly

76.5539, 82.4197, 44.6747

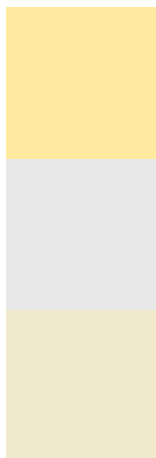
Deuteranomaly

79.1102, 82.1295, 60.3982

Tritanomaly

81.1697, 82.5068, 72.6201

Monochromacy



Original Color

76.9208, 82.6088, 44.6918

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.0935, 81.2109, 69.4223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9208, 82.6088, 44.6918 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, 234, 159)` looks like.

```
.text, #text, p{  
  color:rgb(255, 234, 159)  
}
```

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, 234, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 159) }
```

Border

The CSS property to change the border of an element to XYZ 76.9208, 82.6088, 44.6918 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, 234, 159) }
```


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

```
.border{ border-color:rgb(255, 234, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9208, 82.6088, 44.6918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 159) }
```

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

```
.background{ background-color: rgb(255,  
234, 159) }
```

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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