

Converting Colors

XYZ(87.6883, 95.1425, 76.0309)

Have a look what the booklet for
XYZ(87.6883, 95.1425, 76.0309)
contains.

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Color

**XYZ(87.6208, 95.0078,
76.0076)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBD4
RGB	255, 251, 212
RGB Percent	100%, 98%, 83%
CMY	0.0000, 0.0157, 0.1686
CMYK	0.00, 0.02, 0.17, 0.00
HSL	54°, 100%, 92%
HSV	54°, 17%, 100%
XYZ	87.6208, 95.0078, 76.0076
YIQ	247.7500, 14.9030, -11.2810

Conversions

Conversions Part 2

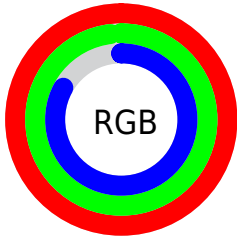
Format	Color
R _Y B	216, 255, 212
Decimal	16776148
CIE Lab	98.04, -4.91, 19.20
CIE LCh	98, 19.817, 104.357
Yxy	95.0078, 0.3388, 0.3673
Android (android.graphics.Color)	4294966228 (0xFFFFFBD4)
YUV	247.7500, -17.6247, 6.3582
Hunter-Lab	97.4719, -10.1163, 21.9966

Details

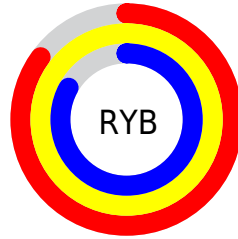
The XYZ color **87.6208, 95.0078, 76.0076** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.7567, 70.3269, 104.5056**, and the grayscale version is **89.1518, 93.7946, 102.1423**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8896, 53.4703, 39.6423** is the 20% darker color. If you saturate the color by 10%, you get **83.9203, 92.3543, 60.1378**, and if you desaturate by 10%, it is **91.8433, 97.8912, 94.5601**.

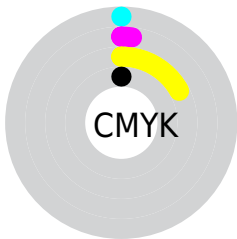
Distribution



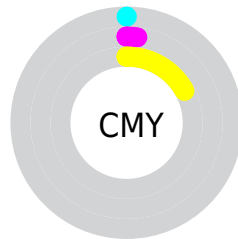
- Red (100%)
- Green (98%)
- Blue (83%)



- Red (85%)
- Yellow (100%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6208, 95.0078, 76.0076 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 87.6208, 95.0078, 76.0076 by changing the saturation by 10% instead.

87.6208, 95.0078,
76.0076

87.6208, 95.0078,
76.0076

508.6146,
544.1899, 500.7212

66.3388, 72.1415,
55.9320

142.9243,
154.2754, 129.4978

48.8162, 53.2742,
39.7448

177.6766,
191.4454, 163.7496

34.6876, 38.0217,
27.0274

217.6497,
234.1521, 203.5638

23.5878, 25.9996,
17.3612

263.2089,
282.7800, 249.3591

15.1512, 16.8233,
10.3276

314.7197,
337.7132, 301.5539

9.0126, 10.1086,
5.5083

372.5473,

4.8066, 5.4710,

399.3364, 360.5669

2.4846

437.0572,
468.0339, 426.8165

■ 2.1678, 2.5262,
0.8320

■ 0.7257, 0.8897,
0.0000

■ 87.6208, 95.0078,
76.0076

■ 87.6208, 95.0078,
76.0076

■ 83.9203, 92.3543,
60.1378

■ 91.8433, 97.8912,
94.5601

■ 80.7110, 89.9088,
46.8194

95.0500, 100.0000,
108.9000

■ 77.9695, 87.6652,
35.9191

■ 75.6677, 85.6122,
27.2891

■ 73.7745, 83.7371,
20.7655

■ 72.2545, 82.0259,
16.1623

■ 71.0662, 80.4618,
13.2611

■ 70.1570, 79.0238,
11.7852

■ 69.9043, 78.5886,
11.4848

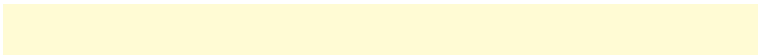
Harmonies

Analogous

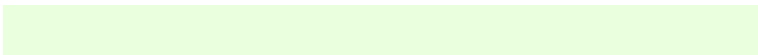
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2791, 95.0078, 76.1556



87.6208, 95.0078, 76.0076



82.8795, 95.0078, 82.6559

Triad

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



87.6208, 95.0078, 76.0076



82.7160, 95.0078, 126.8926



101.2329, 95.0078, 112.1126

Complementary

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



87.6208, 95.0078, 76.0076



69.7567, 70.3269, 104.5056

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.



98.1550, 95.0078, 127.4621



87.6208, 95.0078, 76.0076



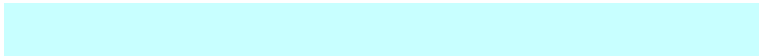
87.3890, 95.0078, 136.5859

Square

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



87.6208, 95.0078, 76.0076



80.1293, 95.0078, 111.3990



93.0375, 95.0078, 136.8046



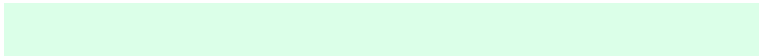
101.3013, 95.0078, 95.8834

Rectangle

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



87.6208, 95.0078, 76.0076



80.8095, 95.0078, 90.4929



93.0375, 95.0078, 136.8046



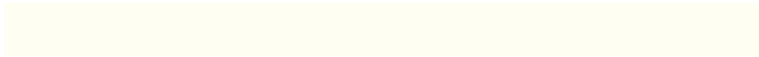
100.5103, 95.0078, 117.5826

Sweetspot

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



87.6231, 95.0119, 76.0096



92.6880, 98.4526, 98.3195



77.2177, 73.3215, 75.2532



19.7703, 21.0274, 20.7383



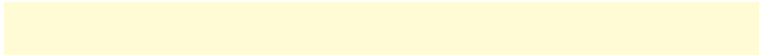
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

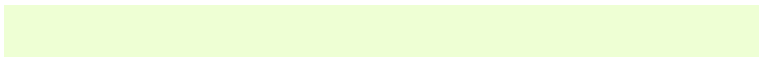
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6231, 95.0119, 76.0096



86.4065, 94.1545, 70.7463



82.8370, 94.4163, 76.1469



19.4085, 20.7852, 19.1333



36.5858, 41.1829, 6.0208



3.6026, 4.0905, 0.5997

Inverse Universe

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



69.7567, 70.3269, 104.5056



65.6878, 65.5293, 103.7940



73.9713, 70.9991, 104.4132



17.1387, 17.6489, 22.7532



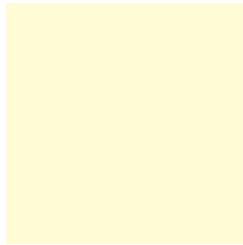
9.6440, 4.1976, 49.7365



0.9826, 0.4959, 4.8572

Previews

White Background



This preview shows how the XYZ color 87.6208, 95.0078, 76.0076 looks on a white background.

Color Contrast Check

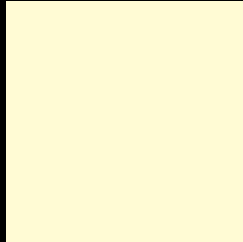
Large Text (above 18pt) WCAG AA × Fail

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 87.6208, 95.0078, 76.0076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

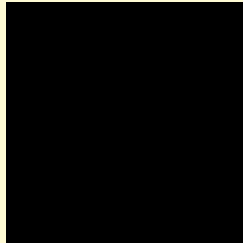
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.6208, 95.0078, 76.0076

Background



This preview shows how black text looks on a background with the XYZ color 87.6208, 95.0078, 76.0076.

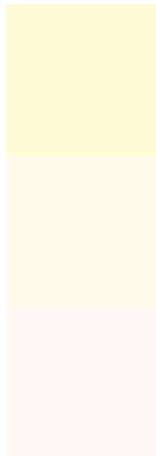


This preview shows how white text looks on a background with the XYZ color 87.6208, 95.0078,

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

87.6208, 95.0078, 76.0076

Protanopia

89.9670, 94.9519, 91.4277

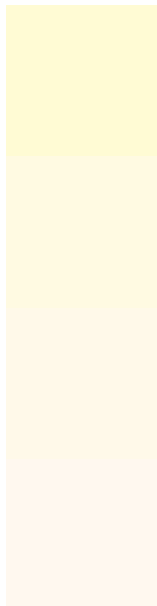
Deuteranopia

91.2888, 94.9874, 99.9092

Tritanopia

92.5508, 95.0015, 108.0669

Trichromacy



Original Color

87.6208, 95.0078, 76.0076

Protanomaly

89.1531, 95.1222, 85.6131

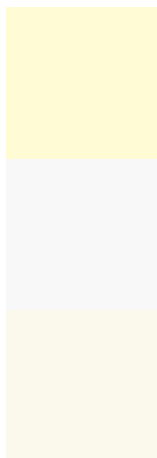
Deuteranomaly

89.8237, 94.8946, 90.6731

Tritanomaly

90.3874, 94.6268, 95.1622

Monochromacy



Original Color

87.6208, 95.0078, 76.0076

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.6547, 94.2588, 92.1184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6208, 95.0078, 76.0076 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, 251, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 212)  
}
```

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, 251, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 212) }
```

Border

The CSS property to change the border of an element to XYZ 87.6208, 95.0078, 76.0076 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, 251, 212) }
```


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

```
.border{ border-color:rgb(255, 251, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6208, 95.0078, 76.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 212) }
```

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

```
.background{ background-color: rgb(255,  
251, 212) }
```

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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