

Converting Colors

XYZ(101.2275, 100.0000,
80.3238)

Have a look what the booklet for
XYZ(101.2275, 100.0000, 80.3238)
contains.

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Color

**XYZ(87.1557, 92.8435,
79.6567)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7DA
RGB	255, 247, 218
RGB Percent	100%, 97%, 85%
CMY	0.0000, 0.0313, 0.1451
CMYK	0.00, 0.03, 0.15, 0.00
HSL	47°, 100%, 93%
HSV	47°, 15%, 100%
XYZ	87.1557, 92.8435, 79.6567
YIQ	246.0860, 14.0770, -7.3230

Conversions

Conversions Part 2

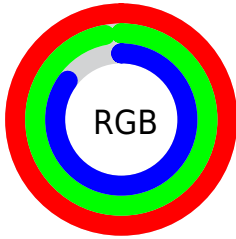
Format	Color
RYB	228, 255, 218
Decimal	16775130
CIELab	97.16, -2.02, 14.90
CIElCh	97, 15.034, 97.704
Yxy	92.8435, 0.3357, 0.3576
Android (android.graphics.Color)	4294965210 (0xFFFFF7DA)
YUV	246.0860, -13.8464, 7.8176
Hunter-Lab	96.3553, -7.1643, 18.4338

Details

The XYZ color **87.1557, 92.8435, 79.6567** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.1592, 76.5161, 105.4682**, and the grayscale version is **87.7694, 92.3402, 100.5585**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5304, 51.9117, 42.1125** is the 20% darker color. If you saturate the color by 10%, you get **82.4127, 88.2932, 62.8600**, and if you desaturate by 10%, it is **92.4662, 97.7066, 99.1778**.

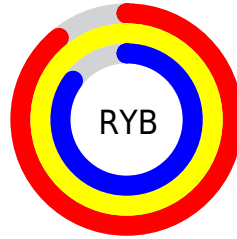
Distribution



Red (100%)

Green (97%)

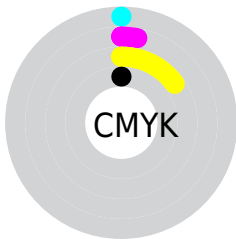
Blue (85%)



Red (89%)

Yellow (100%)

Blue (85%)

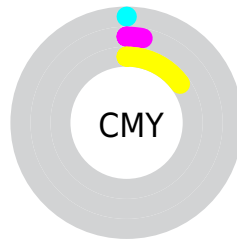


Cyan (0%)

Magenta (3%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1557, 92.8435, 79.6567 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 87.1557, 92.8435, 79.6567 by changing the saturation by 10% instead.

87.1557, 92.8435,
79.6567

87.1557, 92.8435,
79.6567

507.1112,
537.2379, 513.4514

65.9525, 70.3414,
58.9114

142.2797,
151.2819, 134.6900

48.5014, 51.8049,
42.1223

176.9312,
187.9871, 169.8151

34.4370, 36.8496,
28.8707

216.7962,
230.1954, 210.5705

23.3940, 25.0911,
18.7383

262.2401,
278.2912, 257.3747

15.0070, 16.1449,
11.3065

313.6282,
332.6590, 310.6464

8.9107, 9.6268,
6.1566

371.3258,

4.7396, 5.1522,

393.6831, 370.8041

2.8702

435.6984,
461.7479, 438.2662

■ 2.1285, 2.3368,
1.0287

■ 0.7046, 0.7931,
0.0000

■ 87.1557, 92.8435,
79.6567

■ 87.1557, 92.8435,
79.6567

■ 82.4127, 88.2932,
62.8600

■ 92.4662, 97.7066,
99.1778

■ 78.2070, 84.0337,
48.6583

95.0500, 100.0000,
108.9000

■ 74.5151, 80.0580,
36.9209

■ 71.3091, 76.3543,
27.5031

■ 68.5583, 72.9095,
20.2448

■ 66.2279, 69.7091,
14.9659

■ 64.2778, 66.7363,
11.4569

■ 62.6587, 63.9706,
9.4606

■ 61.8723, 62.5246,
8.8074

Harmonies

Analogous

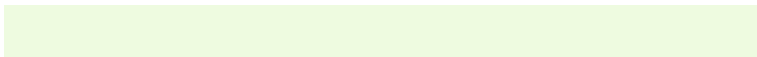
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3770, 92.8435, 80.9745



87.1557, 92.8435, 79.6567



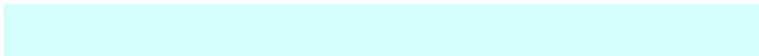
83.3483, 92.8435, 83.7064

Triad

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



87.1557, 92.8435, 79.6567



81.9454, 92.8435, 116.0663



96.0118, 92.8435, 110.2184

Complementary

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



87.1557, 92.8435, 79.6567



74.1592, 76.5161, 105.4682

Split Complementary

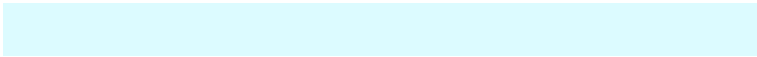
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3298, 92.8435, 120.7294



87.1557, 92.8435, 79.6567



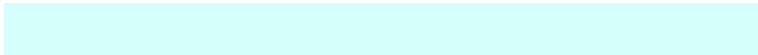
85.1853, 92.8435, 124.2899

Square

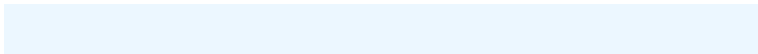
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1557, 92.8435, 79.6567



80.4035, 92.8435, 104.2557



89.3433, 92.8435, 126.0614



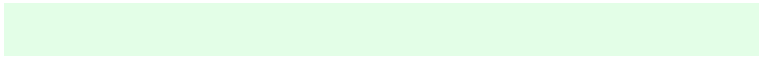
96.5803, 92.8435, 97.9905

Rectangle

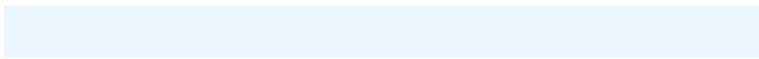
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1557, 92.8435, 79.6567



81.5259, 92.8435, 89.1121



89.3433, 92.8435, 126.0614



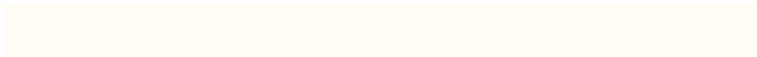
95.3234, 92.8435, 114.0975

Sweetspot

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



87.1578, 92.8474, 79.6587



92.7519, 97.9623, 100.2463



80.0419, 76.8958, 82.5883



19.7625, 20.8872, 21.1194



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

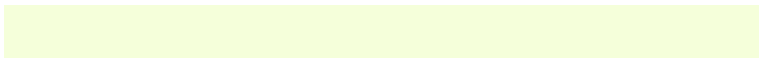
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1578, 92.8474, 79.6587



85.9241, 91.6848, 75.2244



85.9031, 95.9078, 80.3155



19.2086, 20.3854, 19.0667



32.4438, 32.8988, 4.6401



3.2377, 3.3608, 0.4781

Inverse Universe

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



74.1592, 76.5161, 105.4682



70.9613, 72.8865, 104.9362



75.2708, 73.9372, 104.9119



17.3211, 18.0138, 22.8140



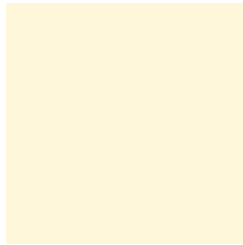
10.2356, 5.3808, 49.9337



1.0723, 0.6754, 4.8871

Previews

White Background



This preview shows how the XYZ color 87.1557, 92.8435, 79.6567 looks on a white background.

Color Contrast Check

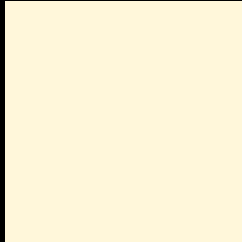
Large Text (above 18pt) WCAG AA × Fail

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 87.1557, 92.8435, 79.6567 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 87.1557, 92.8435, 79.6567

Background



This preview shows how black text looks on a background with the XYZ color 87.1557, 92.8435, 79.6567.



This preview shows how white text looks on a background with the XYZ color 87.1557, 92.8435,

79.6567.

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

87.1557, 92.8435, 79.6567

Protanopia

87.9232, 92.6625, 85.2031

Deuteranopia

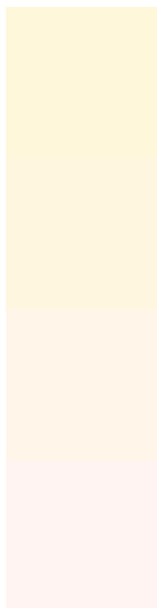
89.7696, 92.9157, 96.4222



Tritanopia

91.3406, 92.5812, 107.6635

Trichromacy



Original Color

87.1557, 92.8435, 79.6567

Protanomaly

87.5151, 92.4992, 83.0536

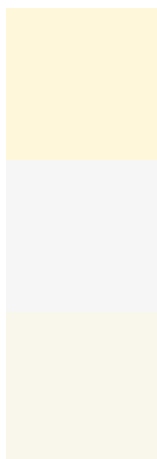
Deuteranomaly

88.9037, 93.0547, 90.3664

Tritanomaly

89.6177, 92.3722, 97.1107

Monochromacy



Original Color

87.1557, 92.8435, 79.6567

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.1630, 92.1074, 92.5414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1557, 92.8435, 79.6567 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, 247, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 218)  
}
```

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, 247, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 218) }
```

Border

The CSS property to change the border of an element to XYZ 87.1557, 92.8435, 79.6567 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, 247, 218) }
```


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

```
.border{ border-color:rgb(255, 247, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1557, 92.8435, 79.6567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 218) }
```

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

```
.background{ background-color: rgb(255,  
247, 218) }
```

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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