

Converting Colors

XYZ(79.8487, 87.8701, 47.5004)

Have a look what the booklet for
XYZ(79.8487, 87.8701, 47.5004)
contains.

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Color

**XYZ(79.9015, 88.0055,
47.4258)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3A3
RGB	255, 243, 163
RGB Percent	100%, 95%, 64%
CMY	0.0000, 0.0470, 0.3608
CMYK	0.00, 0.05, 0.36, 0.00
HSL	52°, 100%, 82%
HSV	52°, 36%, 100%
XYZ	79.9015, 88.0055, 47.4258
YIQ	237.4680, 32.8320, -22.3360

Conversions

Conversions Part 2

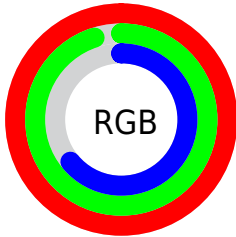
Format	Color
R_{YB}	177, 255, 163
Decimal	16774051
CIE _{Lab}	95.16, -7.26, 40.06
CIE _{LCh}	95, 40.708, 100.274
Yxy	88.0055, 0.3711, 0.4087
Android (android.graphics.Color)	4294964131 (0xFFFFF3A3)
YUV	237.4680, -36.7127, 15.3756
Hunter-Lab	93.8112, -12.1365, 35.6941

Details

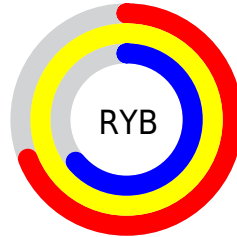
The XYZ color **79.9015, 88.0055, 47.4258** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.4839, 45.6652, 100.8666**, and the grayscale version is **81.1155, 85.3398, 92.9351**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **43.6108, 48.5368, 21.8218** is the 20% darker color. If you saturate the color by 10%, you get **76.8581, 85.2137, 36.2534**, and if you desaturate by 10%, it is **83.4279, 91.0255, 61.0340**.

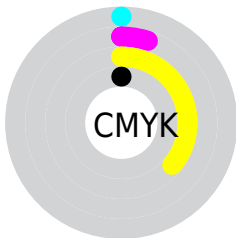
Distribution



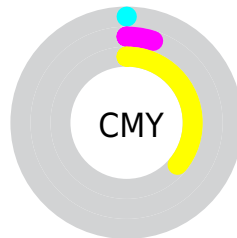
- Red (100%)
- Green (95%)
- Blue (64%)



- Red (69%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9015, 88.0055, 47.4258 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 79.9015, 88.0055, 47.4258 by changing the saturation by 10% instead.


 79.9015, 88.0055,
47.4258


 79.9015, 88.0055,
47.4258

483.3424,
521.5212, 392.9545

 59.9455, 66.3276,
33.0156


 132.1785,
144.5648, 87.7055

 43.6240, 48.5384,
21.8672


 165.2302,
180.2150, 114.4121

 30.5717, 34.2535,
13.5620


203.3778,
221.2915, 146.0546

 20.4231, 23.0884,
7.6814

246.9867,
268.1786, 183.0515

 12.8130, 14.6588,
3.8069

296.4223,
321.2607, 225.8214

 7.3760, 8.5803,
1.5200

352.0498,

 3.7468, 4.4684,

380.9223, 274.7829

0.2328

414.2348,
447.5477, 330.3544

■ 1.5599, 1.9389,
0.0000

■ 0.3661, 0.5716,
0.0000

■ 79.9015, 88.0055,
47.4258

■ 79.9015, 88.0055,
47.4258

■ 76.8581, 85.2137,
36.2534

■ 83.4279, 91.0255,
61.0340

■ 74.2633, 82.6270,
27.3644

■ 87.4565, 94.2723,
77.2069

■ 72.0884, 80.2367,
20.5984

■ 92.0132, 97.7594,
96.0709

■ 70.2982, 78.0287,
15.7711

95.0500, 100.0000,
108.9000

■ 68.8519, 75.9864,
12.6675

■ 67.6985, 74.0894,
11.0198

■ 67.2965, 73.3731,
10.6155

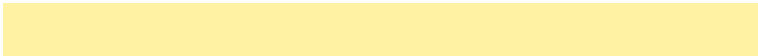
Harmonies

Analogous

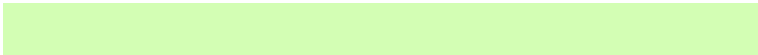
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0507, 88.0055, 49.0739



79.9015, 88.0055, 47.4258



70.6078, 88.0055, 56.3798

Triad

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



79.9015, 88.0055, 47.4258



68.4122, 88.0055, 140.9604



105.3627, 88.0055, 117.9440

Complementary

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



79.9015, 88.0055, 47.4258



48.4839, 45.6652, 100.8666

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.



98.1992, 88.0055, 150.3643



79.9015, 88.0055, 47.4258



76.6551, 88.0055, 165.5541

Square

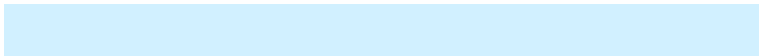
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9015, 88.0055, 47.4258



64.3737, 88.0055, 107.1306



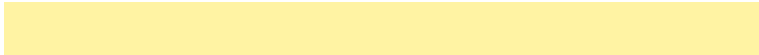
87.5069, 88.0055, 169.3319



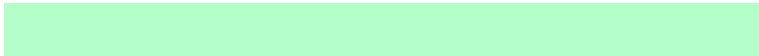
106.4267, 88.0055, 85.3405

Rectangle

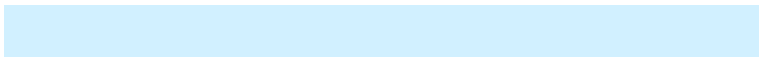
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9015, 88.0055, 47.4258



66.4650, 88.0055, 68.6241



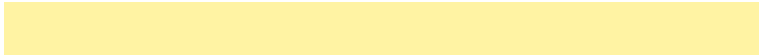
87.5069, 88.0055, 169.3319



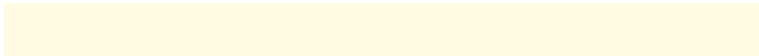
103.5601, 88.0055, 129.3990

Sweetspot

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



79.9036, 88.0095, 47.4276



89.7027, 96.0123, 86.4412



62.1019, 50.5610, 47.1821



19.0688, 20.4498, 17.9595



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

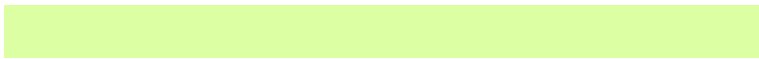
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9036, 88.0095, 47.4276



77.7460, 86.0513, 39.4417



72.2714, 89.5786, 48.1328



19.3473, 20.6628, 19.1129



35.2427, 38.4967, 5.5731



3.4853, 3.8559, 0.5606

Inverse Universe

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



48.4839, 45.6652, 100.8666



42.2982, 38.2902, 99.7691



54.1042, 45.2498, 100.4902



17.1939, 17.7593, 22.7716



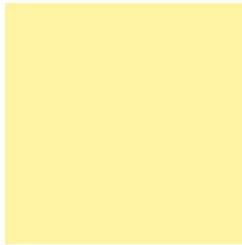
9.7777, 4.4650, 49.7811



1.0085, 0.5477, 4.8658

Previews

White Background



This preview shows how the XYZ color 79.9015, 88.0055, 47.4258 looks on a white background.

Color Contrast Check

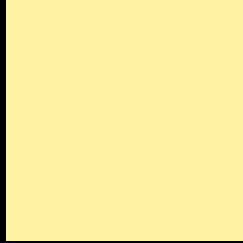
Large Text (above 18pt) WCAG AA × Fail

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 79.9015, 88.0055, 47.4258 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 79.9015, 88.0055, 47.4258

Background



This preview shows how black text looks on a background with the XYZ color 79.9015, 88.0055, 47.4258.



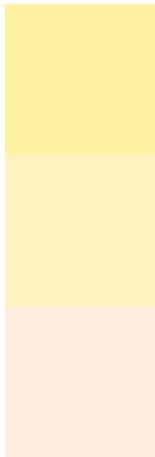
This preview shows how white text looks on a background with the XYZ color 79.9015, 88.0055,

47.4258.

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

79.9015, 88.0055, 47.4258

Protanopia

82.2097, 87.9764, 62.5174

Deuteranopia

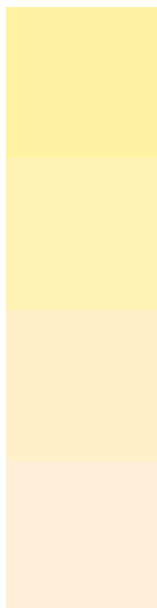
85.1338, 87.7368, 82.2599



Tritanopia

87.8700, 87.9047, 99.5248

Trichromacy



Original Color

79.9015, 88.0055, 47.4258

Protanomaly

81.3326, 88.1005, 56.4345

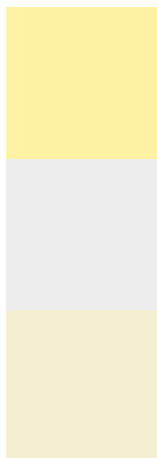
Deuteranomaly

82.9427, 87.7972, 67.8333

Tritanomaly

84.5012, 87.9509, 77.4883

Monochromacy



Original Color

79.9015, 88.0055, 47.4258

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.8076, 85.6192, 73.2926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9015, 88.0055, 47.4258 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, 243, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 163)  
}
```

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, 243, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 163) }
```

Border

The CSS property to change the border of an element to XYZ 79.9015, 88.0055, 47.4258 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, 243, 163) }
```


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

```
.border{ border-color:rgb(255, 243, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9015, 88.0055, 47.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 163) }
```

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

```
.background{ background-color: rgb(255,  
243, 163) }
```

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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