

Converting Colors

XYZ(82.7769, 91.3959, 55.6615)

Have a look what the booklet for
XYZ(82.7769, 91.3959, 55.6615)
contains.

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Color

**XYZ(82.9441, 91.6495,
55.9663)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8B3
RGB	255, 248, 179
RGB Percent	100%, 97%, 70%
CMY	0.0000, 0.0274, 0.2980
CMYK	0.00, 0.03, 0.30, 0.00
HSL	54°, 100%, 85%
HSV	54°, 30%, 100%
XYZ	82.9441, 91.6495, 55.9663
YIQ	242.2270, 26.3210, -19.9750

Conversions

Conversions Part 2

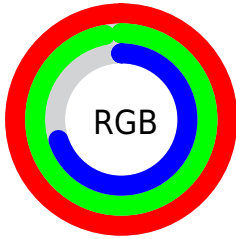
Format	Color
R_{YB}	187, 255, 179
Decimal	16775347
CIE _{Lab}	96.68, -7.87, 34.06
CIE _{LCh}	97, 34.959, 103.009
Yxy	91.6495, 0.3598, 0.3975
Android (android.graphics.Color)	4294965427 (0xFFFFF8B3)
YUV	242.2270, -31.1709, 11.2019
Hunter-Lab	95.7337, -12.8809, 32.3525

Details

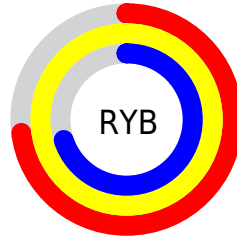
The XYZ color **82.9441, 91.6495, 55.9663** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.1989, 51.9200, 101.7727**, and the grayscale version is **84.8044, 89.2208, 97.1615**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **45.6415, 51.0759, 27.1917** is the 20% darker color. If you saturate the color by 10%, you get **79.8838, 89.2814, 43.3777**, and if you desaturate by 10%, it is **86.4949, 94.2346, 71.0735**.

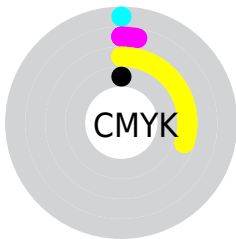
Distribution



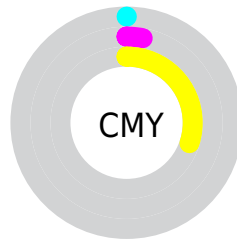
- Red (100%)
- Green (97%)
- Blue (70%)



- Red (73%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (3%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9441, 91.6495, 55.9663 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 82.9441, 91.6495, 55.9663 by changing the saturation by 10% instead.


 82.9441, 91.6495,
55.9663

 82.9441, 91.6495,
55.9663

493.3870,
533.3821, 426.9492

 62.4608, 69.3495,
39.7721


 136.4261,
149.6275, 100.4406

 45.6621, 50.9964,
27.0485


170.1555,
186.0744, 129.5578

 32.1828, 36.2058,
17.3769

209.0310,
228.0056, 163.8197

 21.6574, 24.5932,
10.3388


253.4179,
275.8057, 203.6449

 13.7206, 15.7742,
5.5156

303.6816,
329.8590, 249.4519

 8.0070, 9.3645,
2.4889

360.1874,

 4.1512, 4.9797,

390.5499, 301.6593

0.8342

423.3008,
458.2628, 360.6855

■ 1.7881, 2.2354,
0.0000

■ 0.5105, 0.7392,
0.0000

■ 82.9441, 91.6495,
55.9663

■ 82.9441, 91.6495,
55.9663

■ 79.8838, 89.2814,
43.3777

■ 86.4949, 94.2346,
71.0735

■ 77.2809, 87.1075,
33.1632

■ 90.5538, 97.0344,
88.8214

■ 75.1088, 85.1203,
25.1726

95.0500, 100.0000,
108.9000

■ 73.3351, 83.3068,
19.2362

■ 71.9230, 81.6521,
15.1600

■ 70.8286, 80.1388,
12.7127

■ 69.9814, 78.7385,
11.5241

■ 69.9657, 78.7114,
11.5052

Harmonies

Analogous

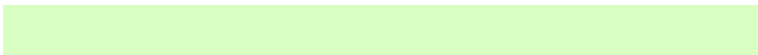
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7235, 91.6495, 56.6279



82.9441, 91.6495, 55.9663



74.8989, 91.6495, 65.3530

Triad

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



82.9441, 91.6495, 55.9663



74.0661, 91.6495, 141.2325



106.3664, 91.6495, 116.3761

Complementary

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



82.9441, 91.6495, 55.9663



54.1989, 51.9200, 101.7727

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.



100.5813, 91.6495, 144.5961



82.9441, 91.6495, 55.9663



81.7279, 91.6495, 160.6865

Square

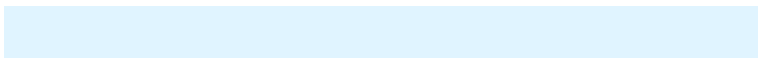
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9441, 91.6495, 55.9663



70.0375, 91.6495, 112.4151



91.4133, 91.6495, 162.0215



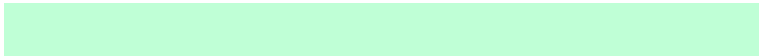
106.7534, 91.6495, 88.1488

Rectangle

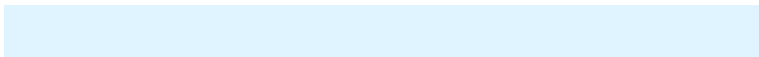
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9441, 91.6495, 55.9663



71.4005, 91.6495, 77.2830



91.4133, 91.6495, 162.0215



104.9699, 91.6495, 126.2923

Sweetspot

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



82.9463, 91.6536, 55.9682



90.9026, 97.2690, 90.3649



66.2876, 57.0720, 54.3129



19.3222, 20.7288, 18.7460



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

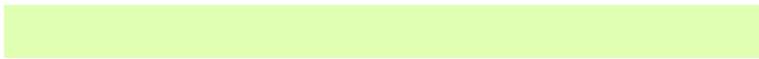
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9463, 91.6536, 55.9682



80.9928, 90.1596, 47.8781



74.8240, 90.7182, 56.2158



19.4099, 20.7880, 19.1338



36.6175, 41.2462, 6.0314



3.6053, 4.0960, 0.6006

Inverse Universe

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



54.1989, 51.9200, 101.7727



47.8808, 44.3987, 100.6540



60.5788, 53.0751, 101.6594



17.1374, 17.6464, 22.7528



9.6414, 4.1923, 49.7356



0.9820, 0.4947, 4.8570

Previews

White Background



This preview shows how the XYZ color 82.9441, 91.6495, 55.9663 looks on a white background.

Color Contrast Check

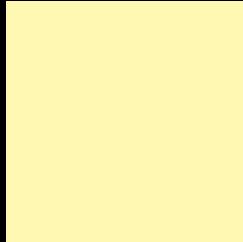
Large Text (above 18pt) WCAG AA × Fail

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 82.9441, 91.6495, 55.9663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

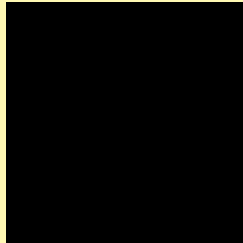
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.9441, 91.6495, 55.9663

Background



This preview shows how black text looks on a background with the XYZ color 82.9441, 91.6495, 55.9663.



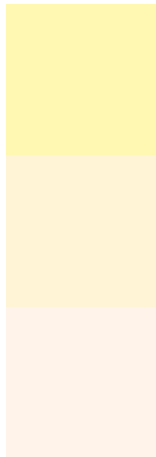
This preview shows how white text looks on a background with the XYZ color 82.9441, 91.6495,

55.9663.

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

82.9441, 91.6495, 55.9663

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

88.1419, 91.3017, 90.8193



Tritanopia

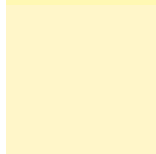
90.4047, 91.7293, 104.2075

Trichromacy



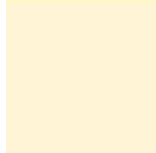
Original Color

82.9441, 91.6495, 55.9663



Protanomaly

84.7384, 91.3886, 68.4319



Deuteranomaly

86.0300, 91.4199, 76.7299



Tritanomaly

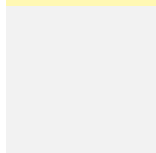
87.1813, 91.3976, 84.2807

Monochromacy



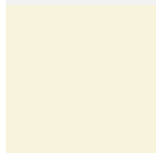
Original Color

82.9441, 91.6495, 55.9663



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

83.4946, 89.5900, 79.9098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9441, 91.6495, 55.9663 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, 248, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 179)  
}
```

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, 248, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 179) }
```

Border

The CSS property to change the border of an element to XYZ 82.9441, 91.6495, 55.9663 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, 248, 179) }
```


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

```
.border{ border-color:rgb(255, 248, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9441, 91.6495, 55.9663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 179) }
```

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

```
.background{ background-color: rgb(255,  
248, 179) }
```

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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