

Converting Colors

XYZ(88.3953, 95.7070, 55.8547)

Have a look what the booklet for
XYZ(88.3953, 95.7070, 55.8547)
contains.

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Color

**XYZ(83.7731, 93.4687,
55.7454)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBB2
RGB	255, 251, 178
RGB Percent	100%, 98%, 70%
CMY	0.0000, 0.0157, 0.3020
CMYK	0.00, 0.02, 0.30, 0.00
HSL	57°, 100%, 85%
HSV	57°, 30%, 100%
XYZ	83.7731, 93.4687, 55.7454
YIQ	243.8740, 25.8170, -21.8550

Conversions

Conversions Part 2

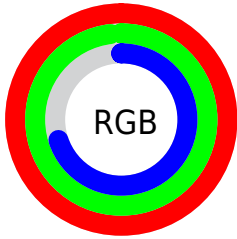
Format	Color
RYB	182, 255, 178
Decimal	16776114
CIELab	97.42, -9.48, 35.55
CIELCh	97, 36.791, 104.924
Yxy	93.4687, 0.3596, 0.4012
Android (android.graphics.Color)	4294966194 (0xFFFFFBB2)
YUV	243.8740, -32.4759, 9.7575
Hunter-Lab	96.6792, -14.5173, 33.4887

Details

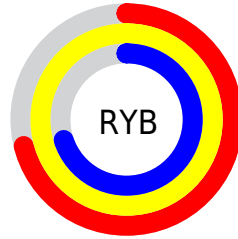
The XYZ color **83.7731, 93.4687, 55.7454** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.1378, 50.1395, 101.4850**, and the grayscale version is **86.1273, 90.6127, 98.6772**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **46.2427, 52.3812, 27.0754** is the 20% darker color. If you saturate the color by 10%, you get **81.0362, 91.7184, 43.3543**, and if you desaturate by 10%, it is **86.9933, 95.4234, 70.6478**.

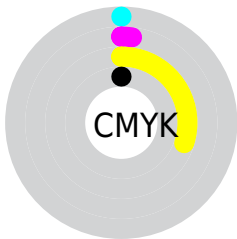
Distribution



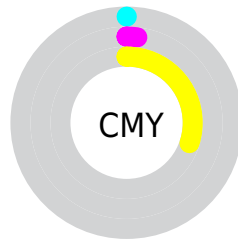
- Red (100%)
- Green (98%)
- Blue (70%)



- Red (71%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (2%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7731, 93.4687, 55.7454 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 83.7731, 93.4687, 55.7454 by changing the saturation by 10% instead.


 83.7731, 93.4687,
55.7454

 83.7731, 93.4687,
55.7454


496.1045,
539.2510, 426.0926

 63.1472, 70.8611,
39.5962


 137.5806,
152.1474, 100.1143

 46.2194, 52.2289,
26.9125


171.4930,
188.9872, 129.1711

 32.6243, 37.1875,
17.2756


210.5648,
231.3400, 163.3675

 21.9967, 25.3527,
10.2672

255.1616,
279.5900, 203.1221

 13.9710, 16.3400,
5.4685

305.6486,
334.1218, 248.8533

 8.1821, 9.7651,
2.4612

362.3912,

 4.2645, 5.2435,

395.3196, 300.9798

0.8195

425.7547,
463.5678, 359.9201

■ 1.8528, 2.3908,
0.0000

■ 0.5492, 0.8212,
0.0000

■ 83.7731, 93.4687,
55.7454

■ 83.7731, 93.4687,
55.7454

■ 81.0362, 91.7184,
43.3543

■ 86.9933, 95.4234,
70.6478

■ 78.7495, 90.1496,
33.3295

■ 90.7145, 97.5800,
88.1841

■ 76.8863, 88.7547,
25.5204

94.9617, 99.9515,
108.4758

■ 75.4141, 87.5208,
19.7564

95.0500, 100.0000,
108.9000

■ 74.2959, 86.4331,
15.8422

■ 73.4873, 85.4739,
13.5447

■ 72.9250, 84.6299,
12.4917

Harmonies

Analogous

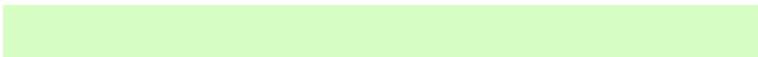
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1589, 93.4687, 55.7718



83.7731, 93.4687, 55.7454



75.4147, 93.4687, 66.2769

Triad

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



83.7731, 93.4687, 55.7454



75.3809, 93.4687, 147.9641



109.6477, 93.4687, 117.4555

Complementary

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



83.7731, 93.4687, 55.7454



53.1378, 50.1395, 101.4850

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.



103.7692, 93.4687, 148.1024



83.7731, 93.4687, 55.7454



83.7237, 93.4687, 167.9241

Square

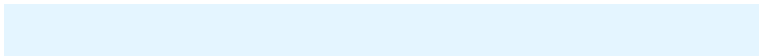
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7731, 93.4687, 55.7454



70.8335, 93.4687, 117.2937



94.1055, 93.4687, 167.9791



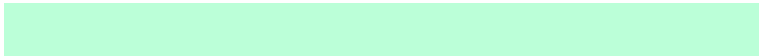
109.6636, 93.4687, 87.6830

Rectangle

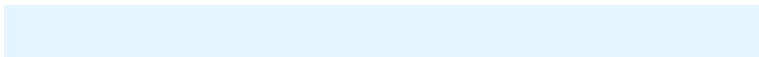
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7731, 93.4687, 55.7454



71.8824, 93.4687, 79.3158



94.1055, 93.4687, 167.9791



108.2726, 93.4687, 128.1099

Sweetspot

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



83.7753, 93.4728, 55.7474



91.1940, 97.8519, 90.4620



65.7222, 56.5263, 52.3205



19.3945, 20.8736, 18.7702



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

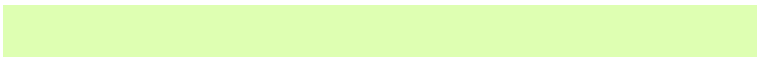
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7753, 93.4728, 55.7474



82.1286, 92.4312, 48.2567



73.8084, 90.2064, 55.6422



19.4758, 20.9197, 19.1558



38.1400, 44.2912, 6.5389



3.7373, 4.3600, 0.6446

Inverse Universe

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



53.1378, 50.1395, 101.4850



47.1907, 43.0186, 100.4239



60.9404, 52.9650, 101.6191



17.0786, 17.5288, 22.7332



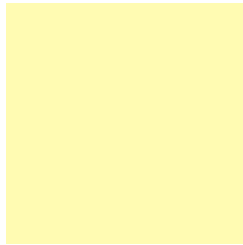
9.5392, 3.9879, 49.7016



0.9542, 0.4391, 4.8477

Previews

White Background



This preview shows how the XYZ color 83.7731, 93.4687, 55.7454 looks on a white background.

Color Contrast Check

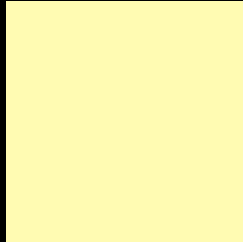
Large Text (above 18pt) WCAG AA × Fail

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 83.7731, 93.4687, 55.7454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

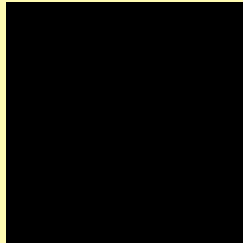
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7731, 93.4687, 55.7454

Background



This preview shows how black text looks on a background with the XYZ color 83.7731, 93.4687, 55.7454.



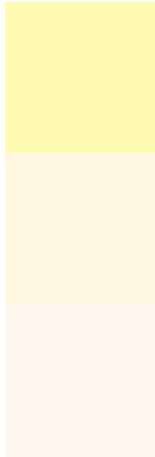
This preview shows how white text looks on a background with the XYZ color 83.7731, 93.4687,

55.7454.

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

83.7731, 93.4687, 55.7454

Protanopia

87.9553, 93.1633, 83.8676

Deuteranopia

89.7758, 93.4035, 94.9583



Tritanopia

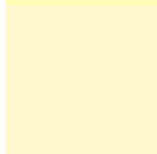
91.6220, 93.6567, 106.1771

Trichromacy



Original Color

83.7731, 93.4687, 55.7454



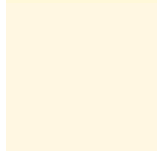
Protanomaly

86.0699, 92.8998, 72.4266



Deuteranomaly

87.3318, 93.4046, 79.0716



Tritanomaly

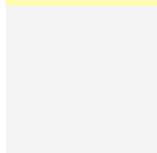
88.2282, 93.2725, 85.3048

Monochromacy



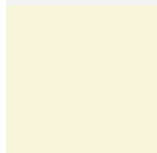
Original Color

83.7731, 93.4687, 55.7454



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.8904, 91.6453, 80.9253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7731, 93.4687, 55.7454 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 178) }
```

Border

The CSS property to change the border of an element to XYZ 83.7731, 93.4687, 55.7454 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, 178) }
```


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

```
.border{ border-color:rgb(255, 251, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7731, 93.4687, 55.7454 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
251, 178) }
```

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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