

Converting Colors

XYZ(99.0327, 100.0000,
86.1455)

Have a look what the booklet for
XYZ(99.0327, 100.0000, 86.1455)
contains.

XYZ(89.1531, 95.1222, 85.6131)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(89.1531, 95.1222,
85.6131)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFAE2
RGB	255, 250, 226
RGB Percent	100%, 98%, 89%
CMY	0.0000, 0.0196, 0.1137
CMYK	0.00, 0.02, 0.11, 0.00
HSL	50°, 100%, 94%
HSV	50°, 11%, 100%
XYZ	89.1531, 95.1222, 85.6131
YIQ	248.7590, 10.6840, -6.4040

Conversions

Conversions Part 2

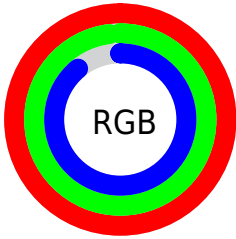
Format	Color
R _Y B	232, 255, 226
Decimal	16775906
CIE Lab	98.08, -2.29, 12.10
CIE LCh	98, 12.312, 100.723
Yxy	95.1222, 0.3303, 0.3525
Android (android.graphics.Color)	4294965986 (0xFFFFFAE2)
YUV	248.7590, -11.2202, 5.4734
Hunter-Lab	97.5306, -7.5110, 16.2262

Details

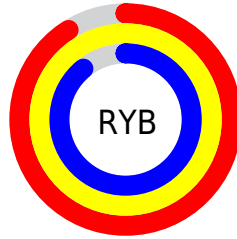
The XYZ color 89.1531, 95.1222, 85.6131 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 77.9894, 80.5385, 106.0428, and the grayscale version is 89.9297, 94.6130, 103.0336.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9312, 53.5296, 46.2287 is the 20% darker color. If you saturate the color by 10%, you get 84.5628, 91.1311, 68.0848, and if you desaturate by 10%, it is 94.3000, 99.3930, 105.8968.

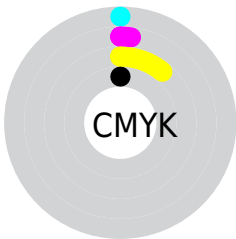
Distribution



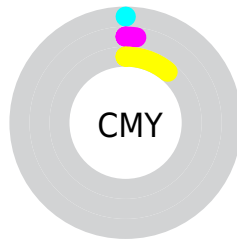
- Red (100%)
- Green (98%)
- Blue (89%)



- Red (91%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.1531, 95.1222, 85.6131 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 89.1531, 95.1222, 85.6131 by changing the saturation by 10% instead.


 89.1531, 95.1222,
85.6131

 89.1531, 95.1222,
85.6131


513.5511,
544.5561, 533.8520

 67.6124, 72.2367,
63.7950


145.0458,
154.4334, 143.1112

 49.8550, 53.3520,
46.0396


180.1285,
191.6279, 179.6283

 35.5155, 38.0839,
31.9281


220.4559,
234.3609, 221.8822

 24.2286, 26.0478,
21.0423

266.3934,
283.0166, 270.2914

 15.6290, 16.8594,
12.9633

318.3063,
337.9797, 325.2744

 9.3512, 10.1343,
7.2729

376.5600,

 5.0299, 5.4881,

399.6343, 387.2499

3.5523

441.5198,
468.3650, 456.6362

■ 2.2997, 2.5364,
1.3831

■ 0.7945, 0.8948,
0.1285

■ 89.1531, 95.1222,
85.6131

■ 89.1531, 95.1222,
85.6131

■ 84.5628, 91.1311,
68.0848

■ 94.3000, 99.3930,
105.8968

■ 80.4995, 87.3982,
53.1852

■ 95.0500, 100.0000,
108.9000

■ 76.9406, 83.9171,
40.7868

■ 73.8590, 80.6769,
30.7488

■ 71.2253, 77.6653,
22.9168

■ 69.0065, 74.8686,
17.1177

■ 67.1644, 72.2715,
13.1526

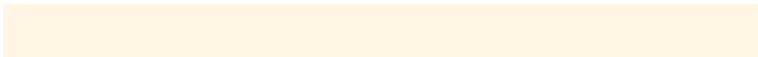
■ 65.6535, 69.8552,
10.7822

■ 64.5557, 67.8913,
9.7019

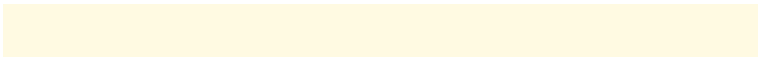
Harmonies

Analogous

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



92.6714, 95.1222, 86.2762



89.1531, 95.1222, 85.6131



86.0522, 95.1222, 89.5197

Triad

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



89.1531, 95.1222, 85.6131



85.3609, 95.1222, 116.7861



96.9740, 95.1222, 110.1266

Complementary

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



89.1531, 95.1222, 85.6131



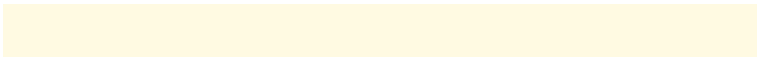
77.9894, 80.5385, 106.0428

Split Complementary

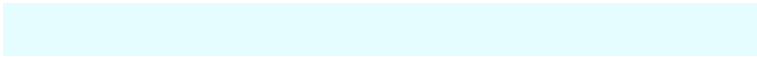
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9142, 95.1222, 119.0226



89.1531, 95.1222, 85.6131



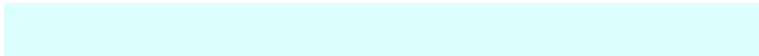
88.1872, 95.1222, 123.0372

Square

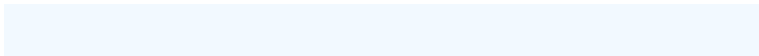
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1531, 95.1222, 85.6131



83.9009, 95.1222, 107.2330



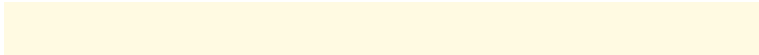
91.6803, 95.1222, 123.8814



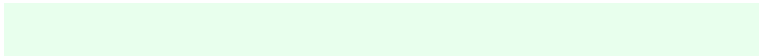
97.2490, 95.1222, 99.9951

Rectangle

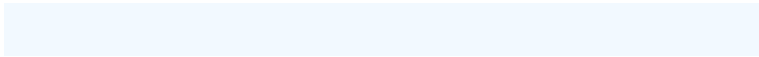
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1531, 95.1222, 85.6131



84.6155, 95.1222, 94.3486



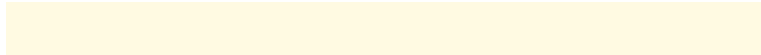
91.6803, 95.1222, 123.8814



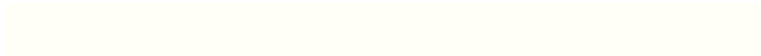
96.4649, 95.1222, 113.3776

Sweetspot

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



89.1553, 95.1262, 85.6151



93.4237, 98.6793, 102.4022



82.9057, 81.4413, 87.1873



19.9054, 21.0468, 21.5559



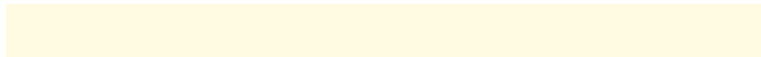
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



89.1553, 95.1262, 85.6151



87.8957, 94.0502, 80.7460



87.4297, 96.5709, 85.9849



19.2794, 20.5270, 19.0903



33.8294, 35.6700, 5.1020



3.3608, 3.6070, 0.5191

Inverse Universe

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



77.9894, 80.5385, 106.0428



74.4002, 76.4196, 105.4369



79.5689, 79.3074, 105.7219



17.2558, 17.8832, 22.7923



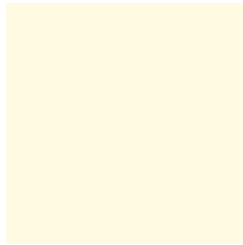
9.9736, 4.8567, 49.8464



1.0377, 0.6062, 4.8756

Previews

White Background



This preview shows how the XYZ color 89.1531, 95.1222, 85.6131 looks on a white background.

Color Contrast Check

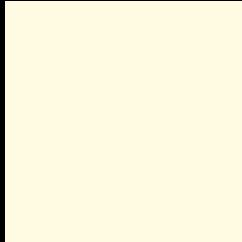
Large Text (above 18pt) WCAG AA × Fail

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 89.1531, 95.1222, 85.6131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

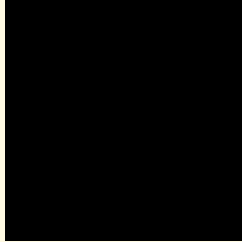
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.1531, 95.1222, 85.6131

Background



This preview shows how black text looks on a background with the XYZ color 89.1531, 95.1222, 85.6131.



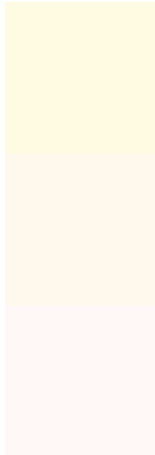
This preview shows how white text looks on a background with the XYZ color 89.1531, 95.1222,

85.631.

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

89.1531, 95.1222, 85.6131

Protanopia

90.4017, 95.1258, 93.7172

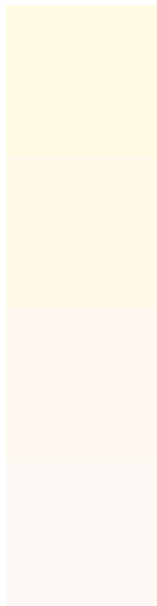
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

92.4905, 95.4256, 108.1520

Trichromacy



Original Color

89.1531, 95.1222, 85.6131

Protanomaly

89.8237, 94.8946, 90.6731

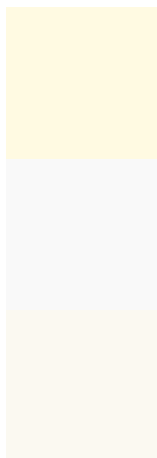
Deuteranomaly

90.6957, 95.2434, 95.2650

Tritanomaly

91.0779, 95.3538, 99.1928

Monochromacy



Original Color

89.1531, 95.1222, 85.6131

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.5365, 94.6115, 96.7618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.1531, 95.1222, 85.6131 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, 250, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 226)  
}
```

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, 250, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 226) }
```

Border

The CSS property to change the border of an element to XYZ 89.1531, 95.1222, 85.6131 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, 250, 226) }
```


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

```
.border{ border-color:rgb(255, 250, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 89.1531, 95.1222, 85.6131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 226) }
```

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

```
.background{ background-color: rgb(255,  
250, 226) }
```

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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