

Converting Colors

XYZ(89.2755, 95.1577, 86.2988)

Have a look what the booklet for
XYZ(89.2755, 95.1577, 86.2988)
contains.

XYZ(89.2907, 95.1773, 86.3380)	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(89.2907, 95.1773,
86.3380)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFAE3
RGB	255, 250, 227
RGB Percent	100%, 98%, 89%
CMY	0.0000, 0.0196, 0.1098
CMYK	0.00, 0.02, 0.11, 0.00
HSL	49°, 100%, 95%
HSV	49°, 11%, 100%
XYZ	89.2907, 95.1773, 86.3380
YIQ	248.8730, 10.3630, -6.0930

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 255, 227
Decimal	16775907
CIE Lab	98.10, -2.13, 11.62
CIE LCh	98, 11.810, 100.410
Yxy	95.1773, 0.3297, 0.3515
Android (android.graphics.Color)	4294965987 (0xFFFFFAE3)
YUV	248.8730, -10.7834, 5.3734
Hunter-Lab	97.5589, -7.3559, 15.8205

Details

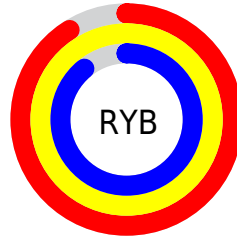
The XYZ color **89.2907, 95.1773, 86.3380** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5845, 81.2619, 106.1510**, and the grayscale version is **90.0201, 94.7081, 103.1372**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.0269, 53.5679, 46.7327** is the 20% darker color. If you saturate the color by 10%, you get **84.6330, 91.0831, 68.6886**, and if you desaturate by 10%, it is **94.5084, 99.5562, 106.7482**.

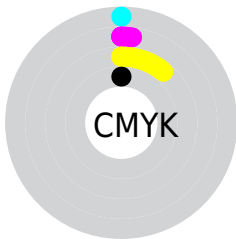
Distribution



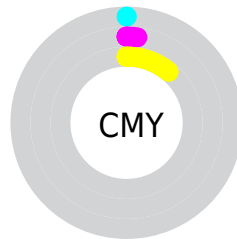
- Red (100%)
- Green (98%)
- Blue (89%)



- 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 89.2907, 95.1773, 86.3380 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 89.2907, 95.1773, 86.3380 by changing the saturation by 10% instead.

89.2907, 95.1773,
86.3380

89.2907, 95.1773,
86.3380

513.9932,
544.7324, 536.3047

67.7268, 72.2826,
64.3910

145.2361,
154.5095, 144.1318

49.9484, 53.3895,
46.5192

180.3484,
191.7158, 180.8157

35.5900, 38.1138,
32.3041

220.7075,
234.4614, 223.2489

24.2864, 26.0710,
21.3272

266.6788,
283.1306, 271.8501

15.6721, 16.8768,
13.1698

318.6277,
338.1080, 327.0377

9.3818, 10.1467,
7.4135

376.9195,

5.0501, 5.4963,

399.7778, 389.2303

3.6397

441.9195,
468.5245, 458.8465

■ 2.3118, 2.5413,
1.4298

■ 0.8007, 0.8973,
0.1648

■ 89.2907, 95.1773,
86.3380

■ 89.2907, 95.1773,
86.3380

■ 84.6330, 91.0831,
68.6886

94.5084, 99.5562,
106.7482

■ 80.5054, 87.2521,
53.6735

95.0500, 100.0000,
108.9000

■ 76.8853, 83.6778,
41.1657

■ 73.7461, 80.3492,
31.0248

■ 71.0581, 77.2542,
23.0970

■ 68.7884, 74.3791,
17.2100

■ 66.8993, 71.7084,
13.1661

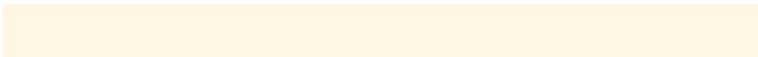
■ 65.3456, 69.2236,
10.7281

■ 64.1680, 67.1160,
9.5727

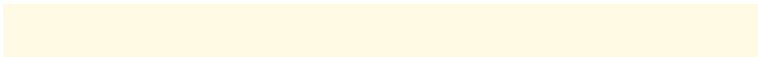
Harmonies

Analogous

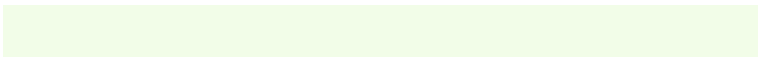
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6658, 95.1773, 87.0243



89.2907, 95.1773, 86.3380



86.3040, 95.1773, 90.0607

Triad

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



89.2907, 95.1773, 86.3380



85.5913, 95.1773, 116.2077



96.7427, 95.1773, 110.0162

Complementary

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



89.2907, 95.1773, 86.3380



78.5845, 81.2619, 106.1510

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.



94.7538, 95.1773, 118.5022



89.2907, 95.1773, 86.3380



88.2958, 95.1773, 122.2285

Square

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



89.2907, 95.1773, 86.3380



84.2038, 95.1773, 107.0411



91.6459, 95.1773, 123.0935



97.0253, 95.1773, 100.2959

Rectangle

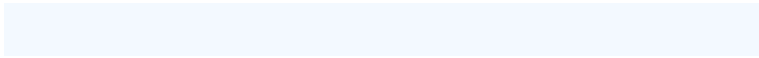
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.2907, 95.1773, 86.3380



84.9138, 95.1773, 94.6866



91.6459, 95.1773, 123.0935



96.2492, 95.1773, 113.1236

Sweetspot

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



89.2930, 95.1813, 86.3400



93.4088, 98.6496, 102.3972



83.2943, 82.0331, 87.8883



19.9013, 21.0387, 21.5545



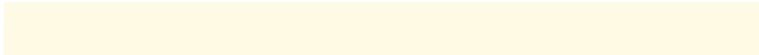
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



89.2930, 95.1813, 86.3400



88.3074, 94.3313, 82.5553



87.6784, 96.6832, 86.7150



19.2695, 20.5071, 19.0870



33.6293, 35.2699, 5.0353



3.3431, 3.5716, 0.5132

Inverse Universe

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



78.5845, 81.2619, 106.1510



75.8064, 78.0822, 105.6837



80.0679, 79.9695, 105.8234



17.2649, 17.9015, 22.7953



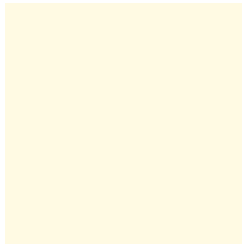
10.0067, 4.9230, 49.8574



1.0423, 0.6153, 4.8771

Previews

White Background



This preview shows how the XYZ color 89.2907, 95.1773, 86.3380 looks on a white background.

Color Contrast Check

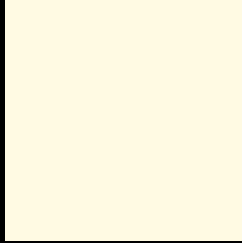
Large Text (above 18pt) WCAG AA × Fail

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 89.2907, 95.1773, 86.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

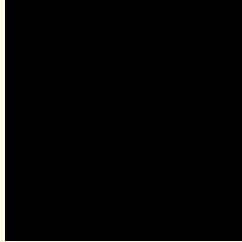
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.2907, 95.1773, 86.3380

Background



This preview shows how black text looks on a background with the XYZ color 89.2907, 95.1773, 86.3380.



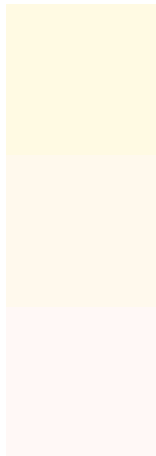
This preview shows how white text looks on a background with the XYZ color 89.2907, 95.1773,

86.3380.

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

89.2907, 95.1773, 86.3380

Protanopia

90.4017, 95.1258, 93.7172

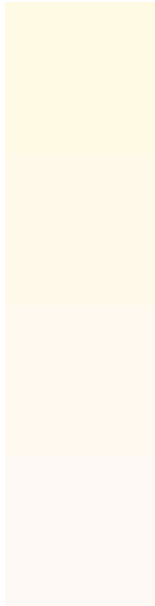
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

92.4905, 95.4256, 108.1520

Trichromacy



Original Color

89.2907, 95.1773, 86.3380

Protanomaly

89.8237, 94.8946, 90.6731

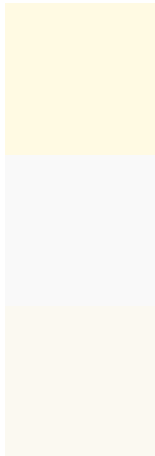
Deuteranomaly

90.6957, 95.2434, 95.2650

Tritanomaly

91.2302, 95.4148, 99.9947

Monochromacy



Original Color

89.2907, 95.1773, 86.3380

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 89.2907, 95.1773, 86.3380 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 227) }
```

Border

The CSS property to change the border of an element to XYZ 89.2907, 95.1773, 86.3380 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, 227) }
```


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

```
.border{ border-color:rgb(255, 250, 227) }
```

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, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 89.2907, 95.1773, 86.3380 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
250, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor