

Converting Colors

XYZ(89.0901, 92.1399, 77.7315)

Have a look what the booklet for
XYZ(89.0901, 92.1399, 77.7315)
contains.

XYZ(85.6853, 90.3191, 77.8830)	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(85.6853, 90.3191,
77.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3D8
RGB	255, 243, 216
RGB Percent	100%, 95%, 85%
CMY	0.0000, 0.0470, 0.1529
CMYK	0.00, 0.05, 0.15, 0.00
HSL	42°, 100%, 92%
HSV	42°, 15%, 100%
XYZ	85.6853, 90.3191, 77.8830
YIQ	243.5100, 15.8190, -5.8530

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 255, 216
Decimal	16774104
CIE Lab	96.13, -0.30, 14.46
CIE LCh	96, 14.464, 91.192
Yxy	90.3191, 0.3375, 0.3557
Android (android.graphics.Color)	4294964184 (0xFFFFF3D8)
YUV	243.5100, -13.5624, 10.0767
Hunter-Lab	95.0364, -5.3771, 17.9369

Details

The XYZ color **85.6853, 90.3191, 77.8830** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.1117, 77.3036, 105.6227**, and the grayscale version is **85.6956, 90.1584, 98.1825**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4920, 50.1196, 40.8892** is the 20% darker color. If you saturate the color by 10%, you get **80.3445, 84.5103, 61.0808**, and if you desaturate by 10%, it is **91.6422, 96.5408, 97.4169**.

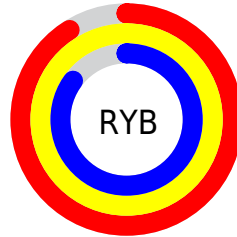
Distribution



Red (100%)

Green (95%)

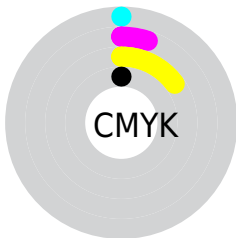
Blue (85%)



Red (91%)

Yellow (100%)

Blue (85%)

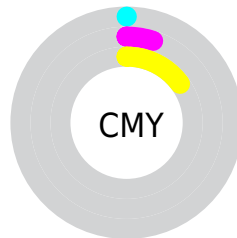


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6853, 90.3191, 77.8830 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 85.6853, 90.3191, 77.8830 by changing the saturation by 10% instead.


 85.6853, 90.3191,
77.8830

 85.6853, 90.3191,
77.8830


502.3425,
529.0683, 507.2868

 64.7322, 68.2453,
57.4620

140.2393,
147.7816, 132.1695

 47.5078, 50.0974,
40.9644


174.5710,
183.9390, 166.8722

 33.6469, 35.4908,
27.9718


214.0928,
225.5599, 207.1724

 22.7841, 24.0412,
18.0656

259.1702,
273.0285, 253.4888

 14.5540, 15.3642,
10.8271

310.1685,
326.7292, 306.2399

 8.5912, 9.0754,
5.8380

367.4531,

 4.5305, 4.7904,

387.0465, 365.8442

2.6796

431.3893,
454.3648, 432.7203

■ 2.0064, 2.1248,
0.9332

■ 0.6376, 0.6785,
0.0000

■ 85.6853, 90.3191,
77.8830

■ 85.6853, 90.3191,
77.8830

■ 80.3445, 84.5103,
61.0808

■ 91.6422, 96.5408,
97.4169

■ 75.5888, 79.0909,
46.8803

95.0500, 100.0000,
108.9000

■ 71.3937, 74.0522,
35.1495

■ 67.7301, 69.3805,
25.7422

■ 64.5663, 65.0609,
18.4969

■ 61.8663, 61.0771,
13.2312

■ 59.5885, 57.4100,
9.7325

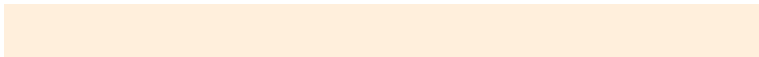
■ 57.6816, 54.0370,
7.7379

■ 56.8785, 52.5370,
7.1428

Harmonies

Analogous

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



89.6134, 90.3191, 80.2407



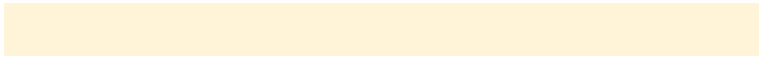
85.6853, 90.3191, 77.8830



81.9153, 90.3191, 80.6424

Triad

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



85.6853, 90.3191, 77.8830



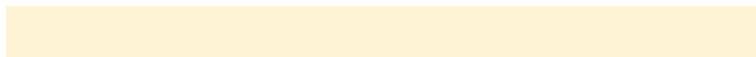
79.4197, 90.3191, 110.2231



92.7779, 90.3191, 109.3668

Complementary

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



85.6853, 90.3191, 77.8830



74.1117, 77.3036, 105.6227

Split Complementary

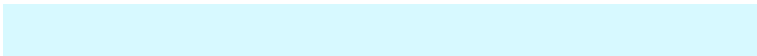
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8996, 90.3191, 118.4589



85.6853, 90.3191, 77.8830



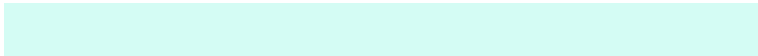
82.1849, 90.3191, 118.9797

Square

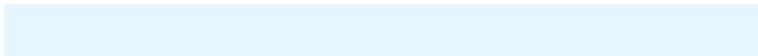
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6853, 90.3191, 77.8830



78.3681, 90.3191, 98.8022



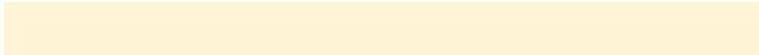
86.0061, 90.3191, 122.1029



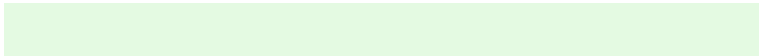
93.7842, 90.3191, 97.8835

Rectangle

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



85.6853, 90.3191, 77.8830



79.9785, 90.3191, 85.1470



86.0061, 90.3191, 122.1029



91.9928, 90.3191, 112.8346

Sweetspot

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



85.6874, 90.3229, 77.8849



91.8264, 96.7294, 98.0323



79.8488, 75.9937, 84.1145



19.5604, 20.6075, 20.6683



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

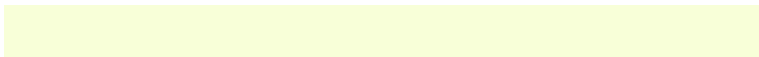
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6874, 90.3229, 77.8849



84.1819, 88.7101, 73.0724



86.8133, 96.4071, 78.9999



19.0622, 20.0925, 19.0179



29.8588, 27.7287, 3.7785



3.0042, 2.8937, 0.4002

Inverse Universe

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



74.1117, 77.3036, 105.6227



70.8183, 73.6809, 105.0971



73.0845, 72.0448, 104.6618



17.4586, 18.2888, 22.8599



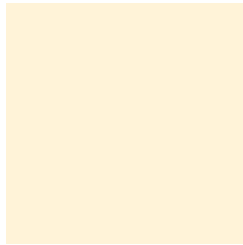
10.9861, 6.8819, 50.1839



1.1616, 0.8538, 4.9169

Previews

White Background



This preview shows how the XYZ color 85.6853, 90.3191, 77.8830 looks on a white background.

Color Contrast Check

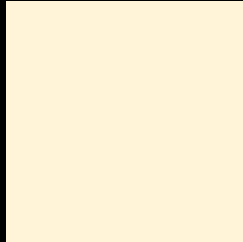
Large Text (above 18pt) WCAG AA × Fail

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 85.6853, 90.3191, 77.8830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

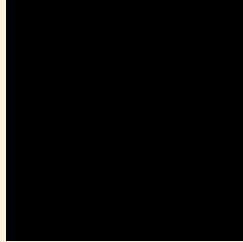
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.6853, 90.3191, 77.8830

Background



This preview shows how black text looks on a background with the XYZ color 85.6853, 90.3191, 77.8830.



This preview shows how white text looks on a background with the XYZ color 85.6853, 90.3191,

77.8830.

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

85.6853, 90.3191, 77.8830

Protanopia

85.6853, 90.3191, 77.8830

Deuteranopia

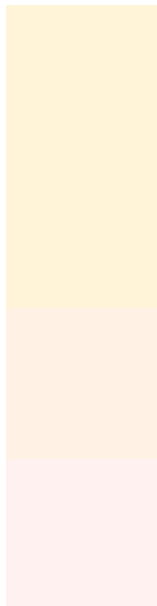
87.8356, 90.2267, 92.1429



Tritanopia

89.9708, 90.6085, 104.8427

Trichromacy



Original Color

85.6853, 90.3191, 77.8830

Protanomaly

85.6853, 90.3191, 77.8830

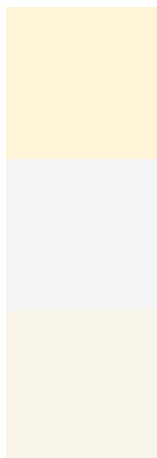
Deuteranomaly

87.1350, 90.4214, 86.9893

Tritanomaly

88.2753, 90.4026, 94.4582

Monochromacy



Original Color

85.6853, 90.3191, 77.8830

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.9134, 90.5983, 90.8010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6853, 90.3191, 77.8830 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 85.6853, 90.3191, 77.8830 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, 216) }
```


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

```
.border{ border-color:rgb(255, 243, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6853, 90.3191, 77.8830 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
243, 216) }
```

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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