

Converting Colors

XYZ(86.6792, 91.1550, 83.5484)

Have a look what the booklet for
XYZ(86.6792, 91.1550, 83.5484)
contains.

XYZ(86.6783, 91.1540, 83.5471)	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(86.6783, 91.1540,
83.5471)**

Conversions

Conversions Part 1

Format	Color
Hex	FEF4E0
RGB	254, 244, 224
RGB Percent	100%, 96%, 88%
CMY	0.0039, 0.0431, 0.1216
CMYK	0.00, 0.04, 0.12, 0.00
HSL	40°, 94%, 94%
HSV	40°, 12%, 100%
XYZ	86.6783, 91.1540, 83.5471
YIQ	244.7100, 12.3800, -4.1000

Conversions

Conversions Part 2

Format	Color
R _Y B	239, 254, 224
Decimal	16708832
CIE Lab	96.47, 0.07, 10.82
CIE LCh	96, 10.820, 89.613
Yxy	91.1540, 0.3316, 0.3487
Android (android.graphics.Color)	4294898912 (0xFFFEF4E0)
YUV	244.7100, -10.2100, 8.1473
Hunter-Lab	95.4746, -5.0262, 14.9492

Details

The XYZ color **86.6783, 91.1540, 83.5471** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.0526, 81.8473, 105.4511**, and the grayscale version is **86.6326, 91.1443, 99.2561**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1706, 50.7013, 44.7836** is the 20% darker color. If you saturate the color by 10%, you get **81.0002, 84.9044, 65.9098**, and if you desaturate by 10%, it is **92.9929, 97.8513, 103.9376**.

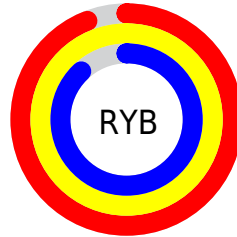
Distribution



Red (100%)

Green (96%)

Blue (88%)



Red (94%)

Yellow (100%)

Blue (88%)



Cyan (0%)

Magenta (4%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.6783, 91.1540, 83.5471 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 86.6783, 91.1540, 83.5471 by changing the saturation by 10% instead.


 86.6783, 91.1540,
83.5471

 86.6783, 91.1540,
83.5471


505.5656,
531.7777, 526.8267

 65.5562, 68.9382,
62.0984


141.6176,
148.9403, 140.1975

 48.1786, 50.6614,
44.6759


176.1655,
185.2796, 176.2363

 34.1802, 35.9392,
30.8611


215.9194,
227.0955, 217.9755

 23.1956, 24.3872,
20.2355

261.2446,
274.7723, 265.8337

 14.8595, 15.6211,
12.3806

312.5064,
328.6946, 320.2293

 8.8065, 9.2564,
6.8778

370.0703,

 4.6713, 4.9088,

389.2466, 381.5810

3.3085

434.3016,
456.8129, 450.3073

■ 2.0885, 2.1939,
1.2542

■ 0.6829, 0.7166,
0.0238

■ 86.6783, 91.1540,
83.5471

■ 86.6783, 91.1540,
83.5471

■ 81.0002, 84.9044,
65.9098

■ 92.9929, 97.8513,
103.9376

■ 75.9270, 79.0784,
50.8994

94.6835, 99.8110,
108.8828

■ 71.4350, 73.6669,
38.3888

■ 67.4962, 68.6561,
28.2376

■ 64.0797, 64.0311,
20.2915

■ 61.1511, 59.7755,
14.3777

■ 58.6709, 55.8706,
10.2974

■ 56.5921, 52.2948,
7.8110

■ 55.1312, 49.5865,
6.6654

Harmonies

Analogous

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



89.6068, 91.1540, 85.5980



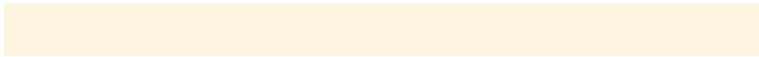
86.6783, 91.1540, 83.5471



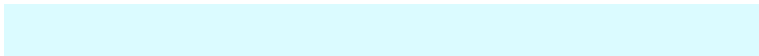
83.8040, 91.1540, 85.4965

Triad

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



86.6783, 91.1540, 83.5471



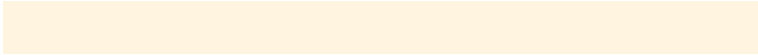
81.6929, 91.1540, 107.6895



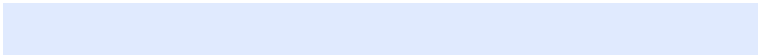
91.7404, 91.1540, 107.8947

Complementary

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



86.6783, 91.1540, 83.5471



78.0526, 81.8473, 105.4511

Split Complementary

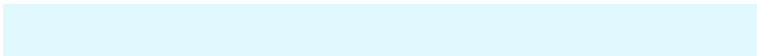
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5375, 91.1540, 114.4073



86.6783, 91.1540, 83.5471



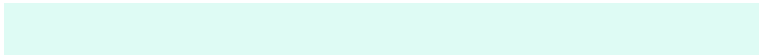
83.7377, 91.1540, 114.2841

Square

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



86.6783, 91.1540, 83.5471



80.9666, 91.1540, 99.1391



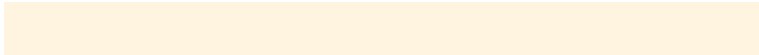
86.6000, 91.1540, 116.8093



92.5707, 91.1540, 99.3634

Rectangle

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



86.6783, 91.1540, 83.5471



82.2951, 91.1540, 88.8706



86.6000, 91.1540, 116.8093



91.1334, 91.1540, 110.4102

Sweetspot

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



86.6808, 91.1580, 83.5491



92.3763, 97.2112, 100.1211



82.3811, 80.3240, 89.0053



19.6672, 20.6967, 21.0877



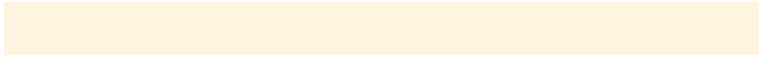
0.0000, 0.0000, 0.0000



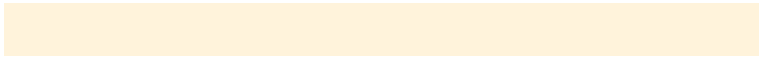
20.3446, 21.4041, 23.3091

Same Dimension

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



86.6808, 91.1580, 83.5491



86.1479, 90.5547, 80.1634



87.9643, 96.4062, 84.4944



19.0215, 20.0111, 19.0043



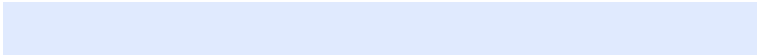
29.2068, 26.4249, 3.5612



2.9443, 2.7740, 0.3802

Inverse Universe

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



78.0526, 81.8473, 105.4511



75.9841, 79.5873, 105.9648



76.8594, 77.1265, 104.6028



17.4974, 18.3665, 22.8728



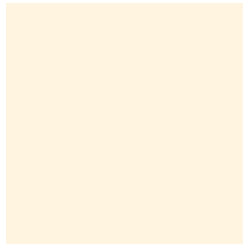
11.2491, 7.4079, 50.2715



1.1909, 0.9125, 4.9266

Previews

White Background



This preview shows how the XYZ color 86.6783, 91.1540, 83.5471 looks on a white background.

Color Contrast Check

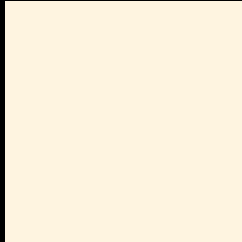
Large Text (above 18pt) WCAG AA × Fail

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 86.6783, 91.1540, 83.5471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

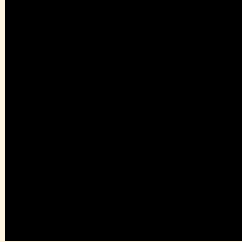
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.6783, 91.1540, 83.5471

Background



This preview shows how black text looks on a background with the XYZ color 86.6783, 91.1540, 83.5471.



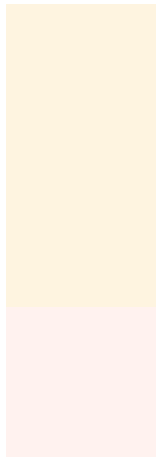
This preview shows how white text looks on a background with the XYZ color 86.6783, 91.1540,

83.5471.

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

86.6783, 91.1540, 83.5471

Protanopia

86.6783, 91.1540, 83.5471

Deuteranopia

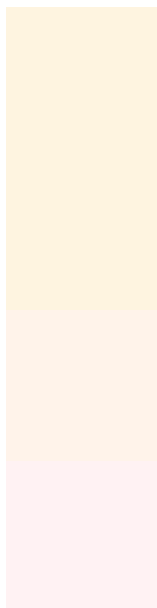
88.5721, 90.9963, 94.5571



Tritanopia

90.5847, 91.3264, 106.6194

Trichromacy



Original Color

86.6783, 91.1540, 83.5471

Protanomaly

86.6783, 91.1540, 83.5471

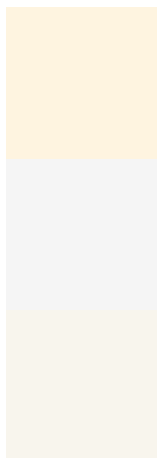
Deuteranomaly

88.1419, 91.3017, 90.8193

Tritanomaly

89.1698, 91.2353, 97.7044

Monochromacy



Original Color

86.6783, 91.1540, 83.5471

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.6499, 91.3757, 93.1911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.6783, 91.1540, 83.5471 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(254, 244, 224) looks like.

```
.text, #text, p{  
    color:rgb(254, 244, 224)  
}
```

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(254, 244, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 244, 224) }
```

Border

The CSS property to change the border of an element to XYZ 86.6783, 91.1540, 83.5471 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(254, 244, 224) }
```


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

```
.border{ border-color:rgb(254, 244, 224) }
```

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

Here you see how a box with a 4 pixel rgb(254, 244, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 244, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 244, 224);  
box-shadow:4px 4px 4px 4px rgb(254, 244,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 86.6783, 91.1540, 83.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 244, 224) }
```

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

```
.background{ background-color: rgb(254,  
244, 224) }
```

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