

Converting Colors

XYZ(89.9708, 92.6672, 86.8448)

Have a look what the booklet for
XYZ(89.9708, 92.6672, 86.8448)
contains.

XYZ(87.5943, 91.5628, 86.4555)	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(87.5943, 91.5628,
86.4555)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4E4
RGB	255, 244, 228
RGB Percent	100%, 96%, 89%
CMY	0.0000, 0.0431, 0.1059
CMYK	0.00, 0.04, 0.11, 0.00
HSL	36°, 100%, 95%
HSV	36°, 11%, 100%
XYZ	87.5943, 91.5628, 86.4555
YIQ	245.4650, 11.6920, -2.6440

Conversions

Conversions Part 2

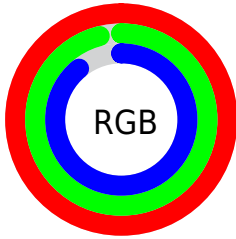
Format	Color
R_{YB}	247, 255, 228
Decimal	16774372
CIE _{Lab}	96.64, 1.05, 9.01
CIE _{LCh}	97, 9.070, 83.343
Yxy	91.5628, 0.3298, 0.3447
Android (android.graphics.Color)	4294964452 (0xFFFFF4E4)
YUV	245.4650, -8.6102, 8.3622
Hunter-Lab	95.6885, -4.0539, 13.4128

Details

The XYZ color 87.5943, 91.5628, 86.4555 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.9107, 85.4448, 106.8358, and the grayscale version is 87.2280, 91.7706, 99.9382.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.8147, 50.9893, 46.8043 is the 20% darker color. If you saturate the color by 10%, you get 81.2756, 84.1789, 68.1536, and if you desaturate by 10%, it is 94.6154, 99.5153, 107.5698.

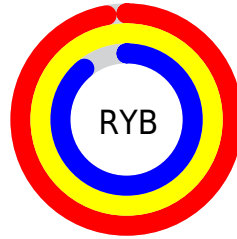
Distribution



Red (100%)

Green (96%)

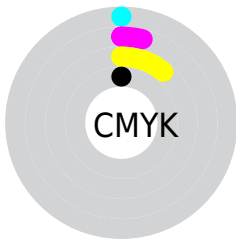
Blue (89%)



Red (97%)

Yellow (100%)

Blue (89%)

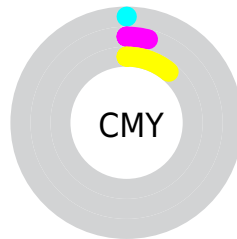


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.5943, 91.5628, 86.4555 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 87.5943, 91.5628, 86.4555 by changing the saturation by 10% instead.


 87.5943, 91.5628,
86.4555

 87.5943, 91.5628,
86.4555


508.5290,
533.1016, 536.7017

 66.3168, 69.2776,
64.4876


142.8876,
149.5073, 144.2971

 48.7983, 50.9378,
46.5970


177.6342,
185.9353, 181.0080

 34.6734, 36.1591,
32.3652


217.6011,
227.8464, 223.4702

 23.5767, 24.5571,
21.3734

263.1538,
275.6250, 272.1024

 15.1429, 15.7474,
13.2034

314.6575,
329.6554, 327.3232

 9.0067, 9.3456,
7.4364

372.4778,

 4.8027, 4.9673,

390.3220, 389.5509

3.6539

436.9798,
458.0093, 459.2042

■ 2.1655, 2.2281,
1.4375

■ 0.7245, 0.7352,
0.1707

■ 87.5943, 91.5628,
86.4555

■ 87.5943, 91.5628,
86.4555

■ 81.2756, 84.1789,
68.1536

94.6154, 99.5153,
107.5698

■ 75.6275, 77.3373,
52.5375

95.0500, 100.0000,
108.9000

■ 70.6245, 71.0262,
39.4794

■ 66.2372, 65.2288,
28.8386

■ 62.4334, 59.9274,
20.4609

■ 59.1773, 55.1025,
14.1738

■ 56.4284, 50.7327,
9.7799

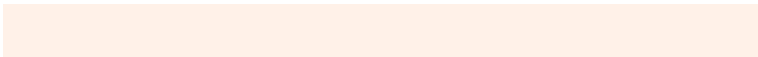
■ 54.1385, 46.7932,
7.0428

■ 52.3327, 43.4454,
5.6276

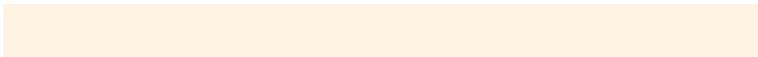
Harmonies

Analogous

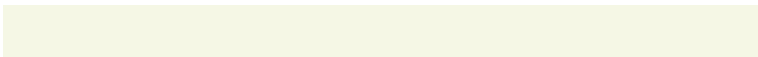
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9722, 91.5628, 88.9049



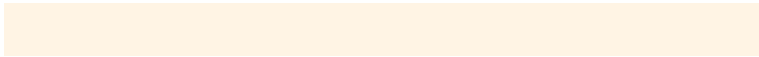
87.5943, 91.5628, 86.4555



85.1093, 91.5628, 87.4132

Triad

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



87.5943, 91.5628, 86.4555



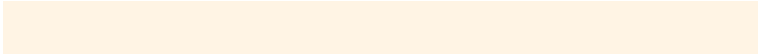
82.6259, 91.5628, 105.3344



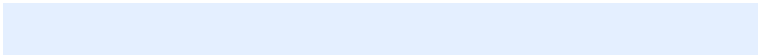
90.9995, 91.5628, 108.2705

Complementary

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



87.5943, 91.5628, 86.4555



80.9107, 85.4448, 106.8358

Split Complementary

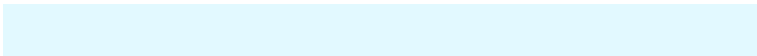
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9747, 91.5628, 113.0794



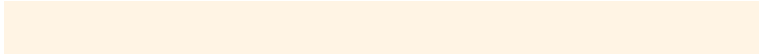
87.5943, 91.5628, 86.4555



84.1481, 91.5628, 111.3275

Square

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



87.5943, 91.5628, 86.4555



82.2725, 91.5628, 98.0859



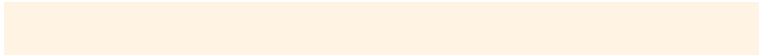
86.4635, 91.5628, 114.2244



91.9627, 91.5628, 101.3243

Rectangle

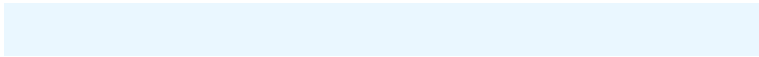
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



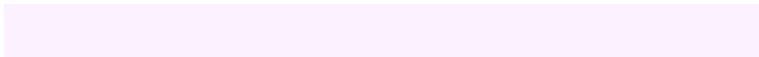
87.5943, 91.5628, 86.4555



83.7227, 91.5628, 89.8787



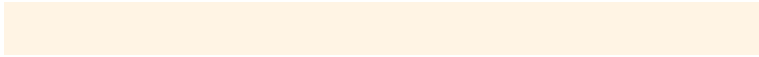
86.4635, 91.5628, 114.2244



90.4185, 91.5628, 110.2040

Sweetspot

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



87.5964, 91.5666, 86.4574



92.8568, 97.5455, 102.2132



84.6010, 82.9947, 93.4166



19.7521, 20.7402, 21.5048



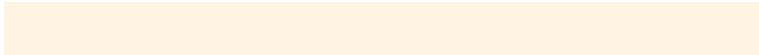
0.0000, 0.0000, 0.0000



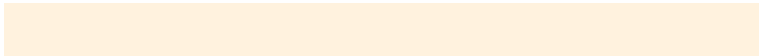
20.3446, 21.4041, 23.3091

Same Dimension

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



87.5964, 91.5666, 86.4574



86.0085, 89.7335, 81.7890



90.1810, 97.9573, 87.5548



18.9046, 19.7774, 18.9654



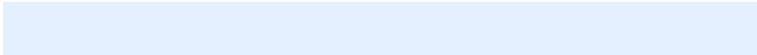
27.4954, 23.0021, 2.9907



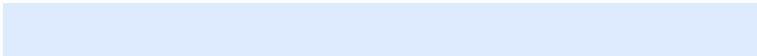
2.7846, 2.4545, 0.3270

Inverse Universe

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



80.9107, 85.4448, 106.8358



77.9366, 82.3426, 106.3938



78.5079, 79.5725, 105.8290



17.6103, 18.5923, 22.9105



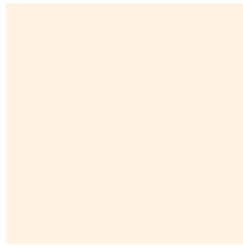
12.1473, 9.2041, 50.5709



1.2868, 1.1043, 4.9586

Previews

White Background



This preview shows how the XYZ color 87.5943, 91.5628, 86.4555 looks on a white background.

Color Contrast Check

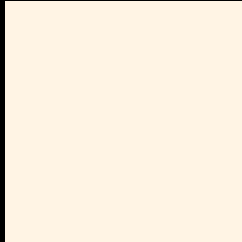
Large Text (above 18pt) WCAG AA × Fail

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 87.5943, 91.5628, 86.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

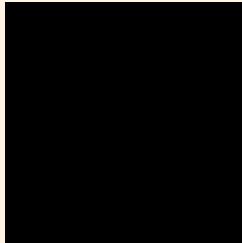
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.5943, 91.5628, 86.4555

Background



This preview shows how black text looks on a background with the XYZ color 87.5943, 91.5628, 86.4555.



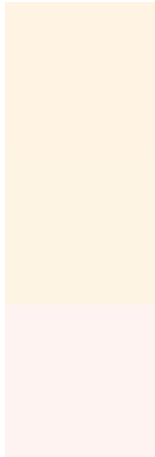
This preview shows how white text looks on a background with the XYZ color 87.5943, 91.5628,

86.4555.

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

87.5943, 91.5628, 86.4555

Protanopia

87.2273, 91.3736, 86.4383

Deuteranopia

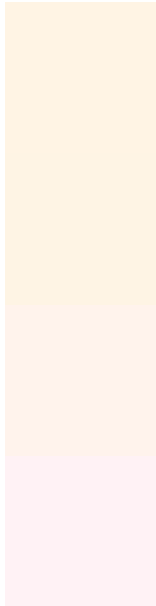
89.1678, 91.7121, 96.2216



Tritanopia

90.5847, 91.3264, 106.6194

Trichromacy



Original Color

87.5943, 91.5628, 86.4555

Protanomaly

87.2273, 91.3736, 86.4383

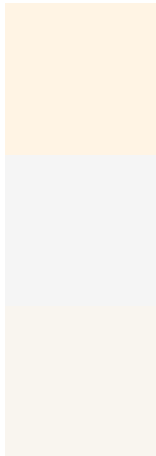
Deuteranomaly

88.4309, 91.4173, 92.3414

Tritanomaly

89.4736, 91.3568, 99.3041

Monochromacy



Original Color

87.5943, 91.5628, 86.4555

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

87.2993, 91.6765, 94.7555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5943, 91.5628, 86.4555 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, 244, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 228)  
}
```

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, 244, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 228) }
```

Border

The CSS property to change the border of an element to XYZ 87.5943, 91.5628, 86.4555 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, 244, 228) }
```


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

```
.border{ border-color:rgb(255, 244, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5943, 91.5628, 86.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 228) }
```

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

```
.background{ background-color: rgb(255,  
244, 228) }
```

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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