

Converting Colors

XYZ(88.7311, 89.7350, 80.6589)

Have a look what the booklet for
XYZ(88.7311, 89.7350, 80.6589)
contains.

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Color

**XYZ(84.7328, 87.5764,
80.1482)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEDC
RGB	255, 238, 220
RGB Percent	100%, 93%, 86%
CMY	0.0000, 0.0666, 0.1372
CMYK	0.00, 0.07, 0.14, 0.00
HSL	31°, 100%, 93%
HSV	31°, 14%, 100%
XYZ	84.7328, 87.5764, 80.1482
YIQ	241.0310, 15.9100, -1.9940

Conversions

Conversions Part 2

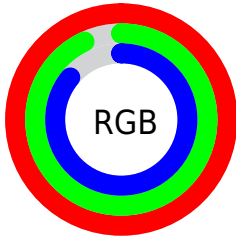
Format	Color
RYB	253, 255, 220
Decimal	16772828
CIELab	94.98, 2.85, 10.77
CIELCh	95, 11.136, 75.198
Yxy	87.5764, 0.3356, 0.3469
Android (android.graphics.Color)	4294962908 (0xFFFFEEDC)
YUV	241.0310, -10.3683, 12.2508
Hunter-Lab	93.5823, -2.1485, 14.7289

Details

The XYZ color **84.7328, 87.5764, 80.1482** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8486, 83.0017, 106.5256**, and the grayscale version is **83.7056, 88.0648, 95.9026**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8082, 48.1783, 42.4296** is the 20% darker color. If you saturate the color by 10%, you get **78.1284, 79.3663, 62.5363**, and if you desaturate by 10%, it is **92.1045, 96.4959, 100.5595**.

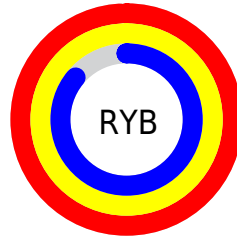
Distribution



Red (100%)

Green (93%)

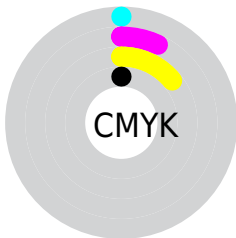
Blue (86%)



Red (99%)

Yellow (100%)

Blue (86%)

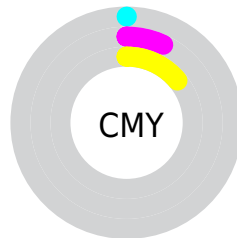


Cyan (0%)

Magenta (7%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.7328, 87.5764, 80.1482 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 84.7328, 87.5764, 80.1482 by changing the saturation by 10% instead.


 84.7328, 87.5764,
80.1482

 84.7328, 87.5764,
80.1482


499.2405,
520.1150, 515.1521

 63.9424, 65.9723,
59.3134


138.9158,
143.9673, 135.3874

 46.8655, 48.2499,
42.4438


173.0390,
179.5228, 170.6288

 33.1368, 34.0248,
29.1208


212.3372,
220.4977, 211.5096

 22.3910, 22.9127,
18.9259

257.1758,
267.2762, 258.4482

 14.2627, 14.5291,
11.4404

307.9200,
320.2428, 311.8632

 8.3865, 8.4895,
6.2460

364.9353,

 4.3971, 4.4098,

379.7819, 372.1732

2.9241

428.5870,
446.2778, 439.7966

■ 1.9292, 1.9053,
1.0560

■ 0.5937, 0.5516,
0.0000

■ 84.7328, 87.5764,
80.1482

■ 84.7328, 87.5764,
80.1482

■ 78.1284, 79.3663,
62.5363

■ 92.1045, 96.4959,
100.5595

■ 72.2569, 71.8353,
47.5943

95.0500, 100.0000,
108.9000

■ 67.0903, 64.9669,
35.1902

■ 62.5959, 58.7395,
25.1788

■ 58.7382, 53.1303,
17.3999

■ 55.4778, 48.1145,
11.6735

■ 52.7694, 43.6644,
7.7908

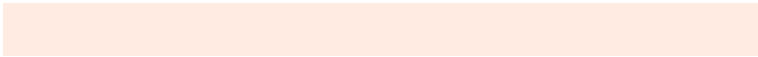
■ 50.5592, 39.7487,
5.4978

■ 49.3808, 37.5415,
4.6436

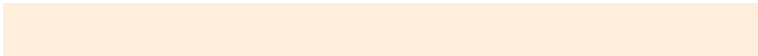
Harmonies

Analogous

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



87.4027, 87.5764, 84.0238



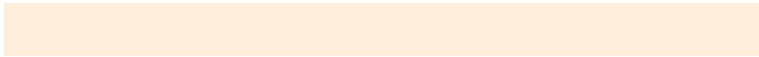
84.7328, 87.5764, 80.1482



81.7241, 87.5764, 80.1747

Triad

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



84.7328, 87.5764, 80.1482



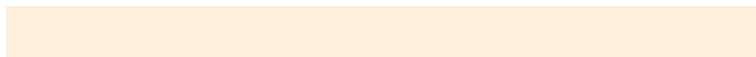
77.7538, 87.5764, 99.7872



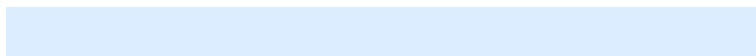
87.4320, 87.5764, 107.5753

Complementary

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



84.7328, 87.5764, 80.1482



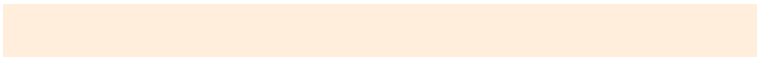
77.8486, 83.0017, 106.5256

Split Complementary

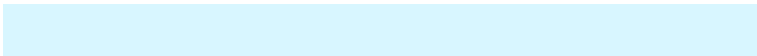
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7720, 87.5764, 112.3417



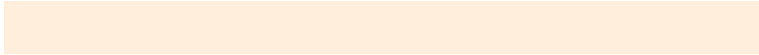
84.7328, 87.5764, 80.1482



79.2092, 87.5764, 107.6634

Square

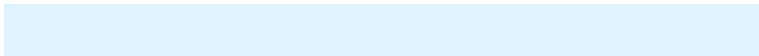
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7328, 87.5764, 80.1482



77.7439, 87.5764, 91.1652



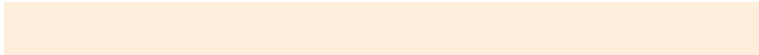
81.7623, 87.5764, 112.3748



88.9866, 87.5764, 99.6729

Rectangle

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



84.7328, 87.5764, 80.1482



79.9327, 87.5764, 82.3877



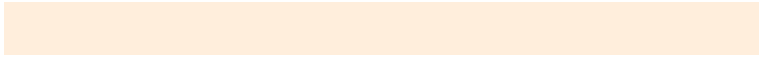
81.7623, 87.5764, 112.3748



86.6347, 87.5764, 109.6180

Sweetspot

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



84.7349, 87.5801, 80.1500



91.8912, 96.2410, 99.9594



82.1930, 78.5911, 91.3426



19.5444, 20.4510, 21.0467



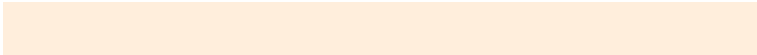
0.0000, 0.0000, 0.0000



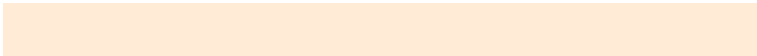
20.3446, 21.4041, 23.3091

Same Dimension

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



84.7349, 87.5801, 80.1500



83.1657, 85.6503, 75.9012



89.9185, 97.9474, 81.8779



18.7822, 19.5326, 18.9246



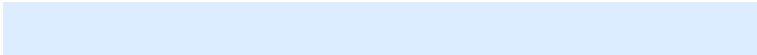
25.9527, 19.9167, 2.4764



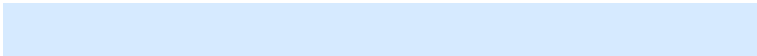
2.6363, 2.1580, 0.2776

Inverse Universe

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



77.8486, 83.0017, 106.5256



75.2659, 80.3981, 106.1592



73.1594, 73.6233, 104.9625



17.7310, 18.8337, 22.9507



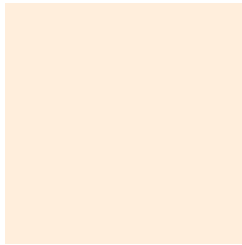
13.3339, 11.5774, 50.9665



1.4071, 1.3449, 4.9987

Previews

White Background



This preview shows how the XYZ color 84.7328, 87.5764, 80.1482 looks on a white background.

Color Contrast Check

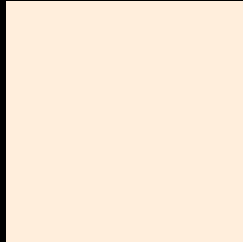
Large Text (above 18pt) WCAG AA × Fail

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 84.7328, 87.5764, 80.1482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

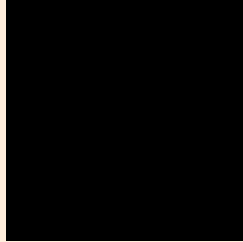
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.7328, 87.5764, 80.1482

Background



This preview shows how black text looks on a background with the XYZ color 84.7328, 87.5764, 80.1482.



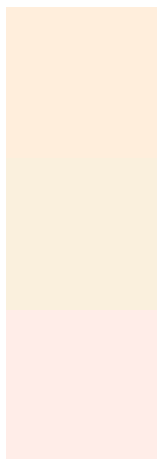
This preview shows how white text looks on a background with the XYZ color 84.7328, 87.5764,

80.1482.

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

84.7328, 87.5764, 80.1482

Protanopia

83.6356, 87.8646, 80.9581

Deuteranopia

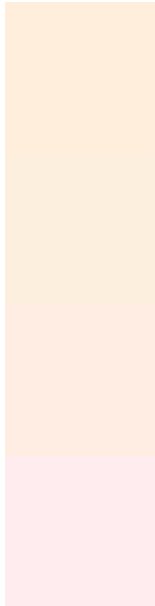
86.0897, 87.6546, 88.7255



Tritanopia

88.0472, 87.5162, 101.8743

Trichromacy



Original Color

84.7328, 87.5764, 80.1482

Protanomaly

84.0625, 87.6489, 80.8940

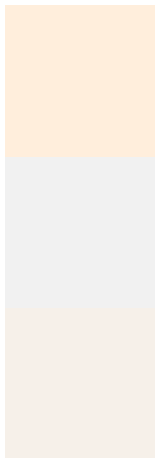
Deuteranomaly

85.5278, 87.4298, 85.7666

Tritanomaly

86.6681, 87.4240, 93.1955

Monochromacy



Original Color

84.7328, 87.5764, 80.1482

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.8741, 87.7962, 89.6165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7328, 87.5764, 80.1482 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, 238, 220) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 220)  
}
```

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, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 220) }
```

Border

The CSS property to change the border of an element to XYZ 84.7328, 87.5764, 80.1482 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, 238, 220) }
```


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

```
.border{ border-color:rgb(255, 238, 220) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7328, 87.5764, 80.1482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 220) }
```

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

```
.background{ background-color: rgb(255,  
238, 220) }
```

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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