

Converting Colors

XYZ(101.9735, 96.5727,
78.2872)

Have a look what the booklet for
XYZ(101.9735, 96.5727, 78.2872)
contains.

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Color

**XYZ(84.2092, 87.3669,
77.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEED8
RGB	255, 238, 216
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0666, 0.1529
CMYK	0.00, 0.07, 0.15, 0.00
HSL	34°, 100%, 92%
HSV	34°, 15%, 100%
XYZ	84.2092, 87.3669, 77.3910
YIQ	240.5750, 17.1940, -3.2380

Conversions

Conversions Part 2

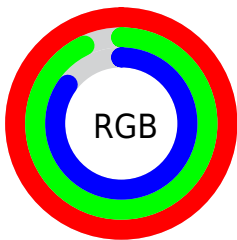
Format	Color
R _Y B	246, 255, 216
Decimal	16772824
CIE Lab	94.89, 2.23, 12.71
CIE LCh	95, 12.904, 80.032
Yxy	87.3669, 0.3382, 0.3509
Android (android.graphics.Color)	4294962904 (0xFFFFEED8)
YUV	240.5750, -12.1155, 12.6507
Hunter-Lab	93.4703, -2.7588, 16.3386

Details

The XYZ color **84.2092, 87.3669, 77.3910** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.5072, 80.0946, 106.0879**, and the grayscale version is **83.3596, 87.7007, 95.5061**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4497, 48.0349, 40.5417** is the 20% darker color. If you saturate the color by 10%, you get **78.0294, 79.8800, 60.3091**, and if you desaturate by 10%, it is **91.1045, 95.4653, 97.2376**.

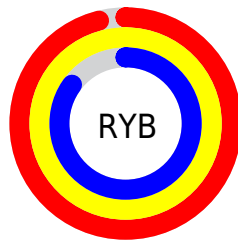
Distribution



Red (100%)

Green (93%)

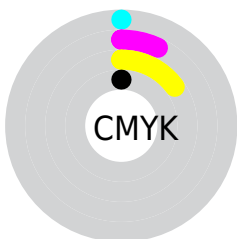
Blue (85%)



Red (96%)

Yellow (100%)

Blue (85%)

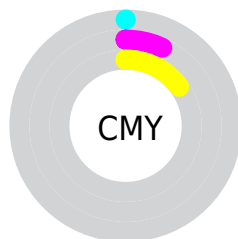


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.2092, 87.3669, 77.3910 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 84.2092, 87.3669, 77.3910 by changing the saturation by 10% instead.


 84.2092, 87.3669,
77.3910

 84.2092, 87.3669,
77.3910


497.5309,
519.4277, 505.5691

 63.5085, 65.7989,
57.0604


138.1875,
143.6754, 131.4693

 46.5129, 48.1092,
40.6440


172.1958,
179.1847, 166.0541

 32.8571, 33.9133,
27.7234


211.3707,
220.1099, 206.2273

 22.1757, 22.8270,
17.8801

256.0775,
266.8353, 252.4075

 14.1034, 14.4658,
10.6954

306.6815,
319.7454, 305.0133

 8.2748, 8.4454,
5.7508

363.5482,

 4.3245, 4.3812,

379.2246, 364.4631

2.6278

427.0428,
445.6573, 431.1755

■ 1.8873, 1.8890,
0.9068

■ 0.5695, 0.5418,
0.0000

■ 84.2092, 87.3669,
77.3910

■ 84.2092, 87.3669,
77.3910

■ 78.0294, 79.8800,
60.3091

■ 91.1045, 95.4653,
97.2376

■ 72.5318, 72.9770,
45.8613

95.0500, 100.0000,
108.9000

■ 67.6895, 66.6439,
33.9148

■ 63.4710, 60.8623,
24.3225

■ 59.8419, 55.6121,
16.9221

■ 56.7635, 50.8713,
11.5303

■ 54.1913, 46.6157,
7.9334

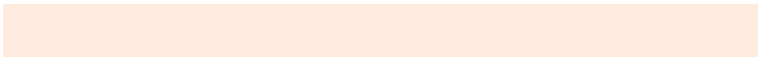
■ 52.0714, 42.8165,
5.8678

■ 51.1952, 41.1705,
5.2484

Harmonies

Analogous

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



87.4350, 87.3669, 81.1168



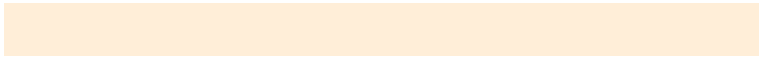
84.2092, 87.3669, 77.3910



80.7572, 87.3669, 78.1556

Triad

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



84.2092, 87.3669, 77.3910



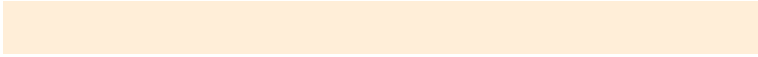
76.8802, 87.3669, 101.8789



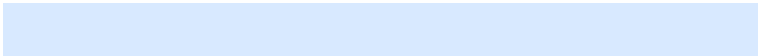
88.3012, 87.3669, 108.0440

Complementary

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



84.2092, 87.3669, 77.3910



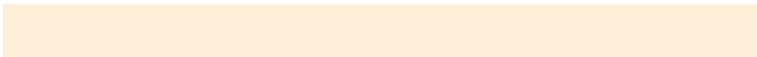
75.5072, 80.0946, 106.0879

Split Complementary

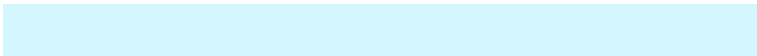
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3647, 87.3669, 114.3946



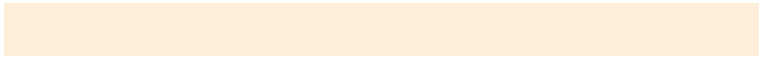
84.2092, 87.3669, 77.3910



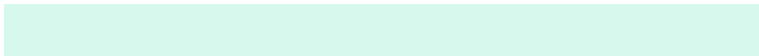
78.7941, 87.3669, 110.6656

Square

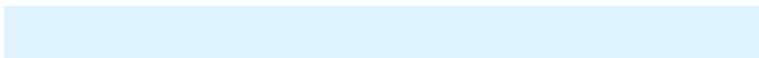
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2092, 87.3669, 77.3910



76.5905, 87.3669, 91.8325



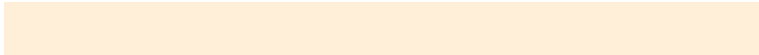
81.8809, 87.3669, 115.3863



89.8410, 87.3669, 98.5008

Rectangle

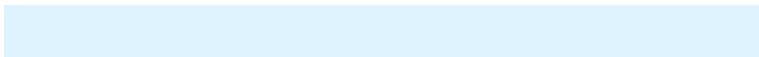
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2092, 87.3669, 77.3910



78.7886, 87.3669, 81.1292



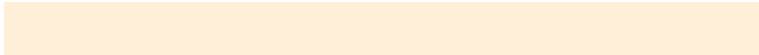
81.8809, 87.3669, 115.3863



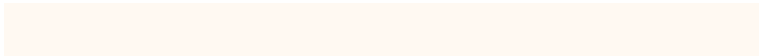
87.4409, 87.3669, 110.6504

Sweetspot

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



84.2112, 87.3706, 77.3928



91.3177, 95.7120, 97.8627



80.5832, 76.2874, 87.9819



19.4366, 20.3600, 20.6271



0.0000, 0.0000, 0.0000



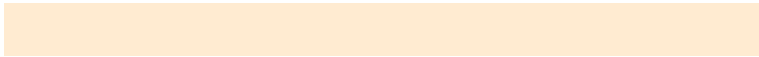
20.3446, 21.4041, 23.3091

Same Dimension

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



84.2112, 87.3706, 77.3928



82.4689, 85.2842, 72.5015



88.6812, 97.3700, 79.0873



18.8599, 19.6879, 18.9505



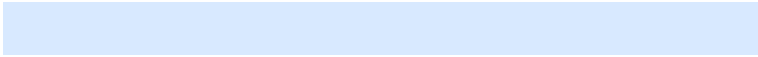
26.9019, 21.8151, 2.7928



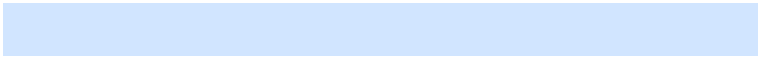
2.7281, 2.3416, 0.3082

Inverse Universe

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



75.5072, 80.0946, 106.0879



72.4202, 76.8847, 105.6310



71.5054, 71.2307, 104.5879



17.6542, 18.6799, 22.9251



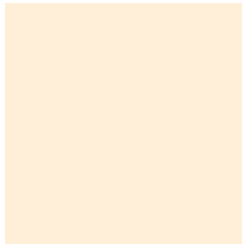
12.5508, 10.0112, 50.7054



1.3284, 1.1874, 4.9725

Previews

White Background



This preview shows how the XYZ color 84.2092, 87.3669, 77.3910 looks on a white background.

Color Contrast Check

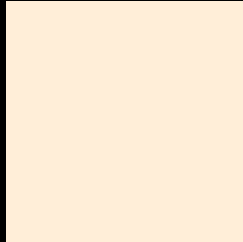
Large Text (above 18pt) WCAG AA × Fail

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 84.2092, 87.3669, 77.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

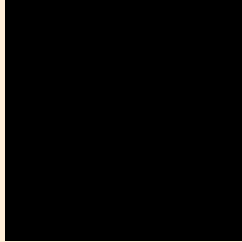
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.2092, 87.3669, 77.3910

Background



This preview shows how black text looks on a background with the XYZ color 84.2092, 87.3669, 77.3910.



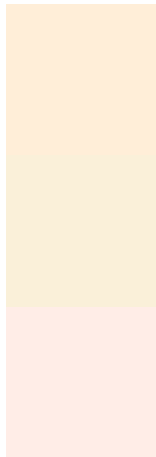
This preview shows how white text looks on a background with the XYZ color 84.2092, 87.3669,

77.3910.

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

84.2092, 87.3669, 77.3910

Protanopia

83.1088, 87.6539, 78.1842

Deuteranopia

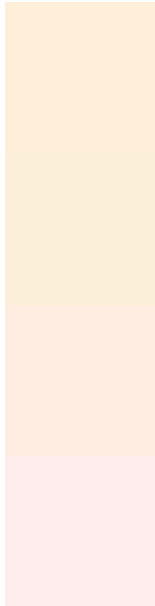
85.9480, 87.5979, 87.9794



Tritanopia

87.8916, 87.4540, 101.0549

Trichromacy



Original Color

84.2092, 87.3669, 77.3910

Protanomaly

83.5358, 87.4382, 78.1201

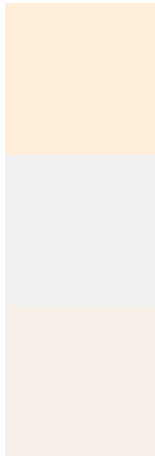
Deuteranomaly

85.2517, 87.3194, 84.3126

Tritanomaly

86.3758, 87.3070, 91.6563

Monochromacy



Original Color

84.2092, 87.3669, 77.3910

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.7316, 87.7392, 88.8662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2092, 87.3669, 77.3910 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, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 216) }
```

Border

The CSS property to change the border of an element to XYZ 84.2092, 87.3669, 77.3910 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, 216) }
```


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

```
.border{ border-color:rgb(255, 238, 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, 238, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2092, 87.3669, 77.3910 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, 216) }
```

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

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