

Converting Colors

XYZ(82.7433, 87.7910, 66.5563)

Have a look what the booklet for
XYZ(82.7433, 87.7910, 66.5563)
contains.

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Color

**XYZ(82.7089, 87.7037,
66.6021)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0C7
RGB	255, 240, 199
RGB Percent	100%, 94%, 78%
CMY	0.0000, 0.0588, 0.2196
CMYK	0.00, 0.06, 0.22, 0.00
HSL	44°, 100%, 89%
HSV	44°, 22%, 100%
XYZ	82.7089, 87.7037, 66.6021
YIQ	239.8110, 22.1010, -9.5710

Conversions

Conversions Part 2

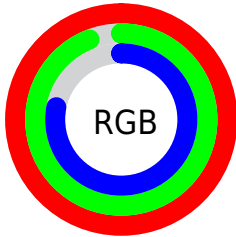
Format	Color
R _Y B	219, 255, 199
Decimal	16773319
CIE Lab	95.04, -1.25, 21.67
CIE LCh	95, 21.703, 93.299
Yxy	87.7037, 0.3490, 0.3700
Android (android.graphics.Color)	4294963399 (0xFFFFF0C7)
YUV	239.8110, -20.1198, 13.3208
Hunter-Lab	93.6503, -6.2425, 23.3894

Details

The XYZ color **82.7089, 87.7037, 66.6021** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.6492, 67.4533, 104.1674**, and the grayscale version is **82.8187, 87.1317, 94.8865**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5400, 48.3311, 33.7167** is the 20% darker color. If you saturate the color by 10%, you get **78.0210, 82.6756, 51.6362**, and if you desaturate by 10%, it is **87.9728, 93.0892, 84.2098**.

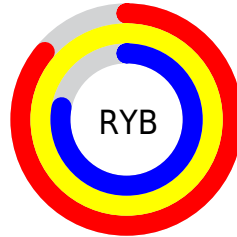
Distribution



Red (100%)

Green (94%)

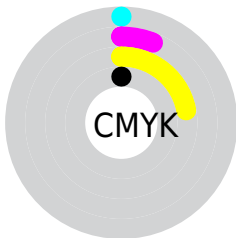
Blue (78%)



Red (86%)

Yellow (100%)

Blue (78%)

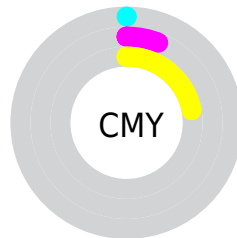


Cyan (0%)

Magenta (6%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.7089, 87.7037, 66.6021 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 82.7089, 87.7037, 66.6021 by changing the saturation by 10% instead.


 82.7089, 87.7037,
66.6021

 82.7089, 87.7037,
66.6021

492.6145,
520.5324, 466.9900

 62.2661, 66.0777,
48.3018


136.0983,
144.1446, 115.9853

 45.5042, 48.3355,
33.7042


169.7757,
179.7282, 147.9053

 32.0577, 34.0926,
22.3910


208.5953,
220.7333, 185.2022

 21.5613, 22.9648,
13.9434

252.9225,
267.5440, 228.2946

 13.6497, 14.5675,
7.9430

303.1227,
320.5449, 277.6010

 7.9575, 8.5164,
3.9712

359.5612,

 4.1194, 4.4271,

380.1204, 333.5401

1.6096

422.6033,
446.6547, 396.5302

■ 1.7699, 1.9152,
0.2976

■ 0.4994, 0.5575,
0.0000

■ 82.7089, 87.7037,
66.6021

■ 82.7089, 87.7037,
66.6021

■ 78.0210, 82.6756,
51.6362

■ 87.9728, 93.0892,
84.2098

■ 73.8773, 77.9819,
39.1761

■ 93.8302, 98.8314,
104.5751

■ 70.2523, 73.6141,
29.0821

95.0500, 100.0000,
108.9000

■ 67.1155, 69.5586,
21.1985

■ 64.4330, 65.8004,
15.3508

■ 62.1658, 62.3226,
11.3379

■ 60.2671, 59.1049,
8.9175

■ 58.9516, 56.6832,
7.8339

Harmonies

Analogous

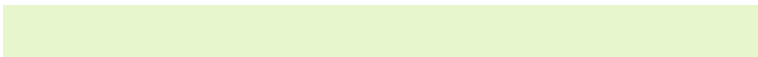
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5598, 87.7037, 69.3197



82.7089, 87.7037, 66.6021



77.2877, 87.7037, 70.8401

Triad

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



82.7089, 87.7037, 66.6021



74.2361, 87.7037, 114.4574



93.9065, 87.7037, 110.8437

Complementary

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



82.7089, 87.7037, 66.6021



65.6492, 67.4533, 104.1674

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.



89.7418, 87.7037, 125.2929



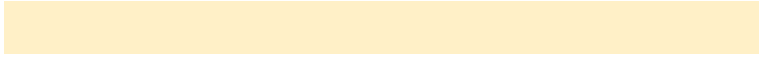
82.7089, 87.7037, 66.6021



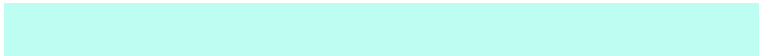
78.3673, 87.7037, 127.5460

Square

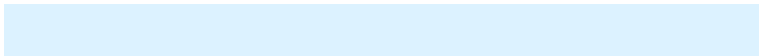
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7089, 87.7037, 66.6021



72.5432, 87.7037, 97.3755



84.0140, 87.7037, 131.7260



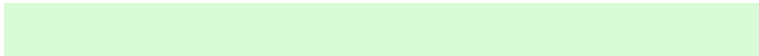
95.2013, 87.7037, 93.6378

Rectangle

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



82.7089, 87.7037, 66.6021



74.5942, 87.7037, 77.3700



84.0140, 87.7037, 131.7260



92.7864, 87.7037, 116.2490

Sweetspot

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



82.7110, 87.7075, 66.6039



90.8022, 95.8916, 93.9589



73.9127, 67.0073, 73.2392



19.3600, 20.4507, 19.8493



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.



82.7110, 87.7075, 66.6039



80.7488, 85.6332, 60.2465



82.9853, 94.6747, 67.9343



19.1257, 20.2195, 19.0391



30.9330, 29.8773, 4.1365



3.1019, 3.0892, 0.4328

Inverse Universe

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



65.6492, 67.4533, 104.1674



61.1422, 62.3611, 103.4221



65.3765, 61.9366, 103.1170



17.3986, 18.1688, 22.8399



10.6244, 6.1585, 50.0633



1.1198, 0.7704, 4.9029

Previews

White Background



This preview shows how the XYZ color 82.7089, 87.7037, 66.6021 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 82.7089, 87.7037, 66.6021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

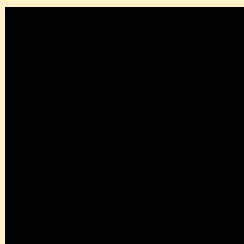
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.7089, 87.7037, 66.6021

Background



This preview shows how black text looks on a background with the XYZ color 82.7089, 87.7037, 66.6021.



This preview shows how white text looks on a background with the XYZ color 82.7089, 87.7037,

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

82.7089, 87.7037, 66.6021

Protanopia

82.3419, 87.5145, 66.5849

Deuteranopia

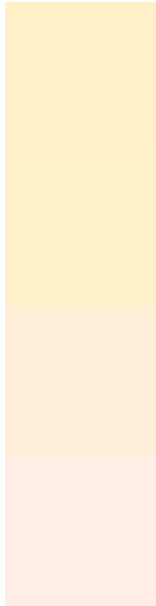
85.6797, 87.9551, 85.1343



Tritanopia

87.8916, 87.4540, 101.0549

Trichromacy



Original Color

82.7089, 87.7037, 66.6021

Protanomaly

82.3419, 87.5145, 66.5849

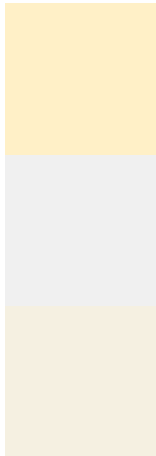
Deuteranomaly

84.6309, 88.0028, 78.1713

Tritanomaly

85.8071, 87.5415, 87.2376

Monochromacy



Original Color

82.7089, 87.7037, 66.6021

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.4069, 87.1689, 83.7161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7089, 87.7037, 66.6021 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, 240, 199) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 199)  
}
```

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, 240, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 199) }
```

Border

The CSS property to change the border of an element to XYZ 82.7089, 87.7037, 66.6021 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, 240, 199) }
```


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

```
.border{ border-color:rgb(255, 240, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7089, 87.7037, 66.6021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 199) }
```

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

```
.background{ background-color: rgb(255,  
240, 199) }
```

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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