

Converting Colors

XYZ(82.3589, 87.0221, 66.4296)

Have a look what the booklet for
XYZ(82.3589, 87.0221, 66.4296)
contains.

XYZ(82.4153, 87.1165, 66.5042)	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(82.4153, 87.1165,
66.5042)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFC7
RGB	255, 239, 199
RGB Percent	100%, 94%, 78%
CMY	0.0000, 0.0627, 0.2196
CMYK	0.00, 0.06, 0.22, 0.00
HSL	43°, 100%, 89%
HSV	43°, 22%, 100%
XYZ	82.4153, 87.1165, 66.5042
YIQ	239.2240, 22.3760, -9.0480

Conversions

Conversions Part 2

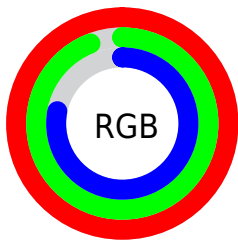
Format	Color
R _Y B	221, 255, 199
Decimal	16773063
CIE Lab	94.79, -0.74, 21.32
CIE LCh	95, 21.335, 91.998
Yxy	87.1165, 0.3492, 0.3691
Android (android.graphics.Color)	4294963143 (0xFFFFEFC7)
YUV	239.2240, -19.8304, 13.8356
Hunter-Lab	93.3362, -5.7240, 23.0899

Details

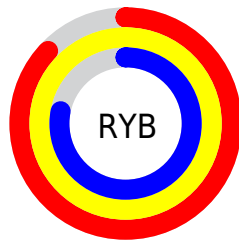
The XYZ color **82.4153, 87.1165, 66.5042** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9030, 67.9610, 104.2521**, and the grayscale version is **82.3578, 86.6468, 94.3584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3330, 47.9171, 33.6477** is the 20% darker color. If you saturate the color by 10%, you get **77.6103, 81.8541, 51.4992**, and if you desaturate by 10%, it is **87.8066, 92.7568, 84.1544**.

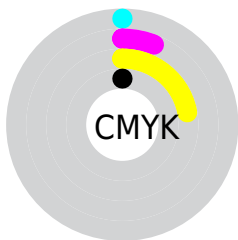
Distribution



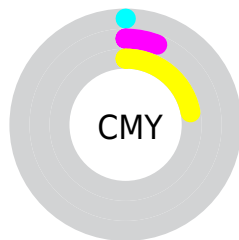
- Red (100%)
- Green (94%)
- Blue (78%)



- Red (87%)
- 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 82.4153, 87.1165, 66.5042 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 82.4153, 87.1165, 66.5042 by changing the saturation by 10% instead.


 82.4153, 87.1165,
66.5042

 82.4153, 87.1165,
66.5042

491.6493,
518.6056, 466.6313

 62.0232, 65.5916,
48.2228

135.6890,
143.3265, 115.8436

 45.3071, 47.9410,
33.6421


169.3014,
178.7804, 147.7386

 31.9017, 33.7801,
22.3436


208.0511,
219.6462, 185.0086

 21.4416, 22.7247,
13.9089

252.3037,
266.3081, 228.0720

 13.5615, 14.3904,
7.9193

302.4245,
319.1506, 277.3474

 7.8960, 8.3927,
3.9563

358.7787,

 4.0797, 4.3472,

378.5581, 333.2534

1.6014

421.7319,
444.9150, 396.2085

■ 1.7473, 1.8696,
0.2918

■ 0.4856, 0.5300,
0.0000

■ 82.4153, 87.1165,
66.5042

■ 82.4153, 87.1165,
66.5042

■ 77.6103, 81.8541,
51.4992

■ 87.8066, 92.7568,
84.1544

■ 73.3595, 76.9464,
39.0034

■ 93.8019, 98.7748,
104.5656

■ 69.6374, 72.3843,
28.8771

95.0500, 100.0000,
108.9000

■ 66.4132, 68.1540,
20.9644

■ 63.6529, 64.2403,
15.0908

■ 61.3173, 60.6255,
11.0551

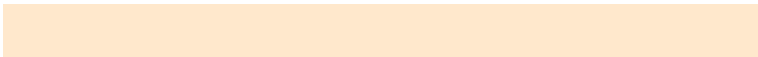
■ 59.3593, 57.2893,
8.6149

■ 58.0026, 54.7852,
7.5175

Harmonies

Analogous

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



88.1222, 87.1165, 69.4685



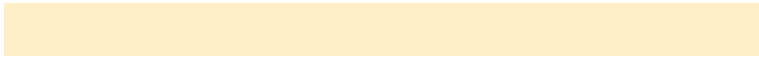
82.4153, 87.1165, 66.5042



77.0590, 87.1165, 70.3728

Triad

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



82.4153, 87.1165, 66.5042



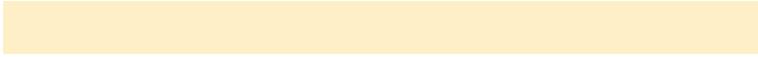
73.7418, 87.1165, 112.7135



92.9920, 87.1165, 110.5740

Complementary

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



82.4153, 87.1165, 66.5042



65.9030, 67.9610, 104.2521

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.



88.8227, 87.1165, 124.4439



82.4153, 87.1165, 66.5042



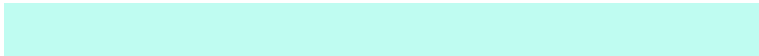
77.6996, 87.1165, 125.7766

Square

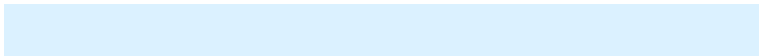
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4153, 87.1165, 66.5042



72.1982, 87.1165, 95.9675



83.1891, 87.1165, 130.2974



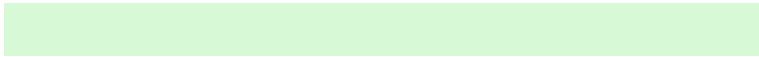
94.3955, 87.1165, 93.7513

Rectangle

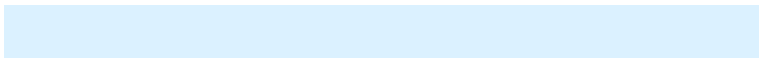
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4153, 87.1165, 66.5042



74.3607, 87.1165, 76.6009



83.1891, 87.1165, 130.2974



91.8582, 87.1165, 115.8007

Sweetspot

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



82.4174, 87.1203, 66.5060



90.7031, 95.6934, 93.9258



74.0329, 67.0553, 73.8722



19.3370, 20.4048, 19.8416



0.0000, 0.0000, 0.0000



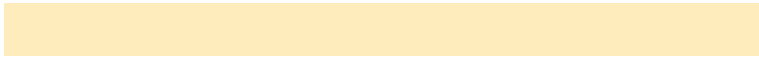
20.3446, 21.4041, 23.3091

Same Dimension

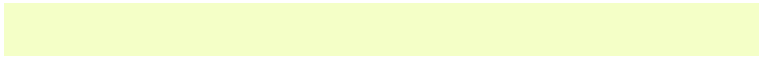
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4174, 87.1203, 66.5060



80.4066, 84.9488, 60.1324



83.3080, 94.8410, 67.9493



19.0971, 20.1624, 19.0295



30.4415, 28.8942, 3.9727



3.0573, 3.0000, 0.4179

Inverse Universe

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



65.9030, 67.9610, 104.2521



61.4292, 62.9350, 103.5177



65.1096, 61.7990, 103.1045



17.4255, 18.2226, 22.8488



10.7799, 6.4693, 50.1151



1.1380, 0.8067, 4.9090

Previews

White Background



This preview shows how the XYZ color 82.4153, 87.1165, 66.5042 looks on a white background.

Color Contrast Check

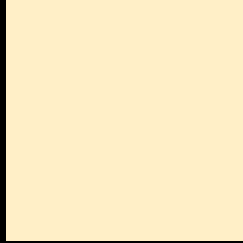
Large Text (above 18pt) WCAG AA × Fail

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 82.4153, 87.1165, 66.5042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

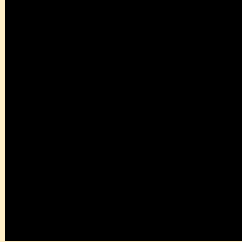
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.4153, 87.1165, 66.5042

Background



This preview shows how black text looks on a background with the XYZ color 82.4153, 87.1165, 66.5042.



This preview shows how white text looks on a background with the XYZ color 82.4153, 87.1165,

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

82.4153, 87.1165, 66.5042

Protanopia

81.6833, 86.7392, 66.4700

Deuteranopia

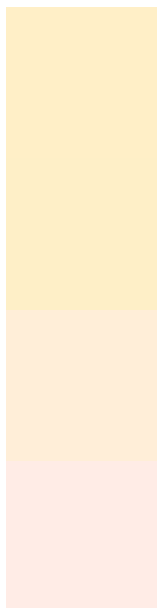
85.2517, 87.3194, 84.3126



Tritanopia

87.4513, 86.8210, 100.1446

Trichromacy



Original Color

82.4153, 87.1165, 66.5042

Protanomaly

82.0484, 86.9274, 66.4871

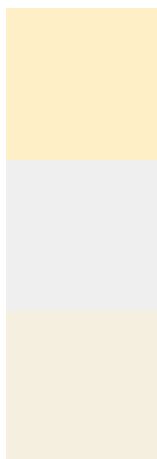
Deuteranomaly

84.2092, 87.3669, 77.3910

Tritanomaly

85.5184, 86.9641, 87.1414

Monochromacy



Original Color

82.4153, 87.1165, 66.5042

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.9772, 86.5273, 82.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.4153, 87.1165, 66.5042 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, 239, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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, 239, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 199) }
```

Border

The CSS property to change the border of an element to XYZ 82.4153, 87.1165, 66.5042 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, 239, 199) }
```


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

```
.border{ border-color:rgb(255, 239, 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, 239, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 82.4153, 87.1165, 66.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 199) }
```

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

```
.background{ background-color: rgb(255,  
239, 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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