

Converting Colors

XYZ(86.3540, 96.3430, 71.1739)

Have a look what the booklet for
XYZ(86.3540, 96.3430, 71.1739)
contains.

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Color

**XYZ(86.4427, 96.3889,
71.1756)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFFCC
RGB	251, 255, 204
RGB Percent	98%, 100%, 80%
CMY	0.0157, 0.0000, 0.2000
CMYK	0.02, 0.00, 0.20, 0.00
HSL	65°, 100%, 90%
HSV	65°, 20%, 100%
XYZ	86.4427, 96.3889, 71.1756
YIQ	247.9900, 13.9870, -16.7090

Conversions

Conversions Part 2

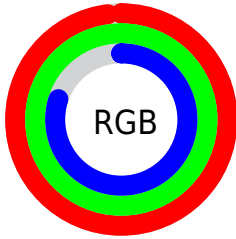
Format	Color
RYB	204, 255, 208
Decimal	16515020
CIELab	98.59, -9.48, 23.99
CIElCh	99, 25.792, 111.553
Yxy	96.3889, 0.3403, 0.3795
Android (android.graphics.Color)	4294705100 (0xFFFFBFFCC)
YUV	247.9900, -21.6871, 2.6398
Hunter-Lab	98.1778, -14.6473, 25.7413

Details

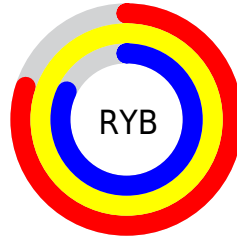
The XYZ color **86.4427, 96.3889, 71.1756** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.6562, 63.8169, 103.4652**, and the grayscale version is **89.3777, 94.0323, 102.4012**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9472, 54.0595, 36.7616** is the 20% darker color. If you saturate the color by 10%, you get **82.9136, 94.8944, 56.3307**, and if you desaturate by 10%, it is **90.4812, 98.0879, 88.6608**.

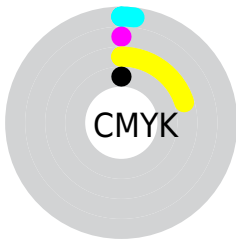
Distribution



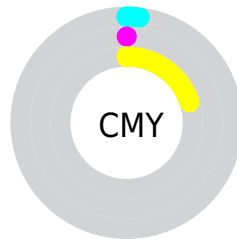
- Red (98%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4427, 96.3889, 71.1756 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 86.4427, 96.3889, 71.1756 by changing the saturation by 10% instead.


 86.4427, 96.3889,
71.1756

 86.4427, 96.3889,
71.1756


504.8019,
548.6019, 483.5672

 65.3606, 73.2915,
52.0028


141.2908,
156.1820, 122.5805

 48.0193, 54.2144,
36.6250


175.7874,
193.6466, 155.6497

 34.0535, 38.7731,
24.6238


215.4863,
236.6689, 194.1881

 23.0978, 26.5832,
15.5805

260.7528,
285.6335, 238.6143

 14.7868, 17.2605,
9.0767

311.9523,
340.9247, 289.3467

 8.7553, 10.4204,
4.6937

369.4500,

 4.6377, 5.6786,

402.9269, 346.8040

2.0131

433.6115,
472.0245, 411.4047

■ 2.0689, 2.6506,
0.5633

■ 0.6722, 0.9522,
0.0000

■ 86.4427, 96.3889,
71.1756

■ 86.4427, 96.3889,
71.1756

■ 82.9136, 94.8944,
56.3307

■ 90.4812, 98.0879,
88.6608

■ 79.8680, 93.5943,
43.9939

95.0500, 100.0000,
108.9000

■ 77.2801, 92.4781,
34.0276

■ 75.1209, 91.5342,
26.2795

■ 73.3581, 90.7498,
20.5794

■ 71.9547, 90.1100,
16.7328

■ 70.8665, 89.5972,
14.5073

■ 70.0215, 89.1825,
13.5235

■ 70.0215, 89.1824,
13.5234

Harmonies

Analogous

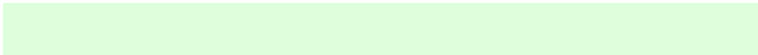
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7391, 96.3889, 69.3176



86.4427, 96.3889, 71.1756



80.8277, 96.3889, 81.4120

Triad

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



86.4427, 96.3889, 71.1756



82.9774, 96.3889, 140.5466



106.5572, 96.3889, 111.1052

Complementary

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



86.4427, 96.3889, 71.1756



65.6562, 63.8169, 103.4652

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.



103.3212, 96.3889, 132.6394



86.4427, 96.3889, 71.1756



89.5227, 96.3889, 151.0852

Square

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



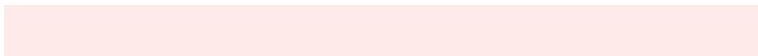
86.4427, 96.3889, 71.1756



78.9039, 96.3889, 120.7871



96.9891, 96.3889, 148.0103



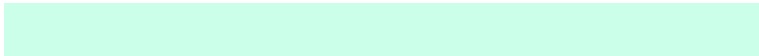
105.6222, 96.3889, 90.5635

Rectangle

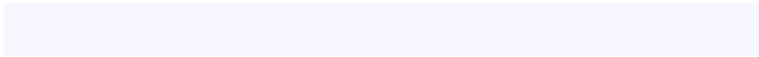
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4427, 96.3889, 71.1756



78.6633, 96.3889, 92.4750



96.9891, 96.3889, 148.0103



105.9151, 96.3889, 118.5018

Sweetspot

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



86.4432, 96.3891, 71.1770



92.2436, 98.8266, 96.4183



74.5497, 70.4404, 66.7952



19.6811, 21.1266, 20.3598



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

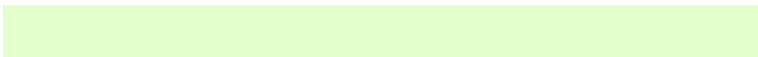
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4432, 96.3891, 71.1770



84.9713, 95.7671, 64.9277



78.0551, 92.0648, 70.7844



19.4124, 21.0140, 19.1773



36.6467, 46.6302, 7.0690



3.6082, 4.5609, 0.6902

Inverse Universe

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



65.6562, 63.8169, 103.4652



60.7444, 57.8020, 102.5631



73.2153, 67.7137, 103.8189



17.1350, 17.4458, 22.7142



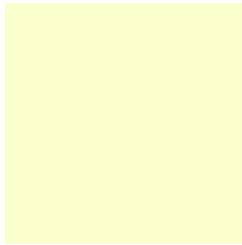
9.6285, 3.8742, 49.6749



0.9809, 0.3996, 4.8387

Previews

White Background



This preview shows how the XYZ color 86.4427, 96.3889, 71.1756 looks on a white background.

Color Contrast Check

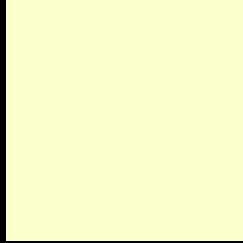
Large Text (above 18pt) WCAG AA × Fail

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 86.4427, 96.3889, 71.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

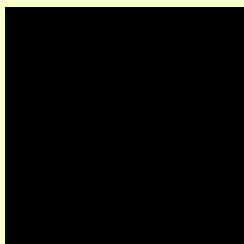
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

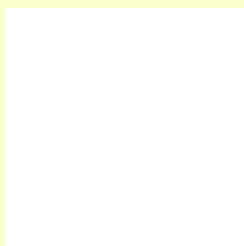
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.4427, 96.3889, 71.1756

Background



This preview shows how black text looks on a background with the XYZ color 86.4427, 96.3889, 71.1756.



This preview shows how white text looks on a background with the XYZ color 86.4427, 96.3889,

71.1756.

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

86.4427, 96.3889, 71.1756



Protanopia

91.3172, 96.4864, 95.4722

Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

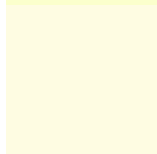
92.7436, 96.4739, 108.3409

Trichromacy



Original Color

86.4427, 96.3889, 71.1756



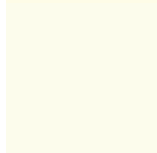
Protanomaly

89.4109, 96.1826, 85.8041



Deuteranomaly

90.1073, 96.4612, 89.4710



Tritanomaly

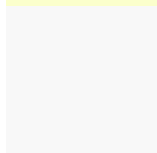
90.0956, 96.3724, 93.2101

Monochromacy



Original Color

86.4427, 96.3889, 71.1756



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.1296, 94.9603, 90.0282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4427, 96.3889, 71.1756 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(251, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 204)  
}
```

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(251, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 86.4427, 96.3889, 71.1756 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(251, 255, 204) }
```


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

```
.border{ border-color:rgb(251, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4427, 96.3889, 71.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 204) }
```

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

```
.background{ background-color: rgb(251,  
255, 204) }
```

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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