

Converting Colors

XYZ(87.6975, 97.0256, 71.6935)

Have a look what the booklet for
XYZ(87.6975, 97.0256, 71.6935)
contains.

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Color

**XYZ(87.6525, 96.9986,
71.8604)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFFCD
RGB	254, 255, 205
RGB Percent	100%, 100%, 80%
CMY	0.0039, 0.0000, 0.1961
CMYK	0.00, 0.00, 0.20, 0.00
HSL	61°, 100%, 90%
HSV	61°, 20%, 100%
XYZ	87.6525, 96.9986, 71.8604
YIQ	249.0010, 15.4540, -15.7620

Conversions

Conversions Part 2

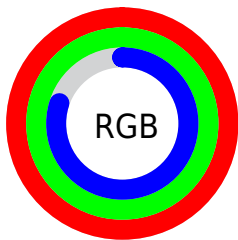
Format	Color
R _Y B	205, 255, 206
Decimal	16711629
CIE Lab	98.83, -8.26, 23.85
CIE LCh	99, 25.240, 109.114
Yxy	96.9986, 0.3417, 0.3781
Android (android.graphics.Color)	4294901709 (0xFFFEFFCD)
YUV	249.0010, -21.6925, 4.3841
Hunter-Lab	98.4879, -13.4919, 25.6813

Details

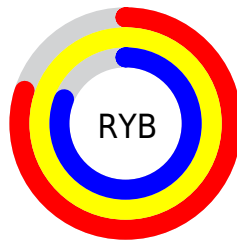
The XYZ color **87.6525, 96.9986, 71.8604** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.3358, 64.0057, 103.5185**, and the grayscale version is **90.2063, 94.9040, 103.3505**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8060, 54.4928, 37.2240** is the 20% darker color. If you saturate the color by 10%, you get **84.6346, 95.7700, 56.9393**, and if you desaturate by 10%, it is **91.1737, 98.4287, 89.4264**.

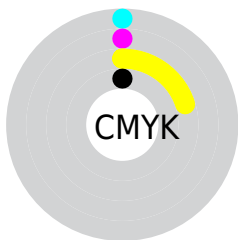
Distribution



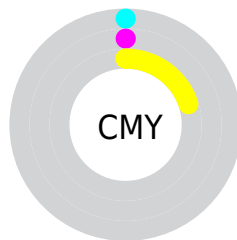
- Red (100%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (81%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.6525, 96.9986, 71.8604 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 87.6525, 96.9986, 71.8604 by changing the saturation by 10% instead.


 87.6525, 96.9986,
71.8604

 87.6525, 96.9986,
71.8604


508.7170,
550.5437, 486.0200

 66.3651, 73.7995,
52.5585


142.9683,
157.0229, 123.5639

 48.8377, 54.6300,
37.0651


177.7274,
194.6169, 156.8026

 34.7047, 39.1055,
24.9617


217.7078,
237.7780, 195.5240

 23.6010, 26.8418,
15.8298


263.2749,
286.8905, 240.1466

 15.1610, 17.4545,
9.2507

314.7940,
342.3390, 291.0890

 9.0195, 10.5591,
4.8061

372.6305,

 4.8111, 5.7712,

404.5078, 348.7696

2.0772

437.1497,
473.7812, 413.6071

■ 2.1705, 2.7064,
0.6021

■ 0.7271, 0.9805,
0.0000

■ 87.6525, 96.9986,
71.8604

■ 87.6525, 96.9986,
71.8604

■ 84.6346, 95.7700,
56.9393

■ 91.1737, 98.4287,
89.4264

■ 82.0942, 94.7323,
44.5311

95.0500, 100.0000,
108.9000

■ 80.0054, 93.8754,
34.4988

■ 78.3394, 93.1877,
26.6906

■ 77.0642, 92.6563,
20.9372

■ 76.1429, 92.2666,
17.0451

■ 75.5319, 92.0010,
14.7840

■ 75.1624, 91.8321,
13.7927

■ 75.1498, 91.8262,
13.7634

Harmonies

Analogous

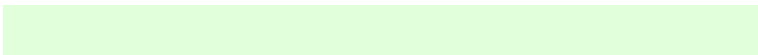
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8838, 96.9986, 70.7063



87.6525, 96.9986, 71.8604



81.9369, 96.9986, 81.3193

Triad

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



87.6525, 96.9986, 71.8604



83.2667, 96.9986, 139.1917



106.7503, 96.9986, 113.4292

Complementary

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



87.6525, 96.9986, 71.8604



65.3358, 64.0057, 103.5185

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.



103.2739, 96.9986, 134.3236



87.6525, 96.9986, 71.8604



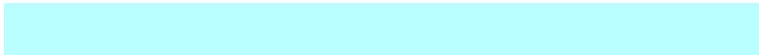
89.5560, 96.9986, 150.4561

Square

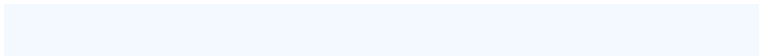
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6525, 96.9986, 71.8604



79.4990, 96.9986, 119.4017



96.8903, 96.9986, 148.5651



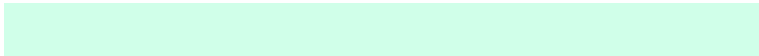
106.1738, 96.9986, 92.9326

Rectangle

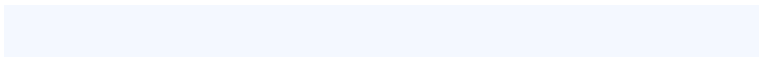
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6525, 96.9986, 71.8604



79.6343, 96.9986, 91.8583



96.8903, 96.9986, 148.5651



106.0099, 96.9986, 120.6808

Sweetspot

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



87.6530, 96.9988, 71.8618



92.5712, 98.9955, 96.4336



74.2914, 69.7313, 67.3029



19.7588, 21.1667, 20.3634



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

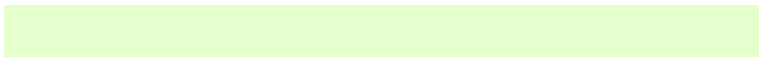
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6530, 96.9988, 71.8618



86.2666, 96.4348, 64.9883



79.1464, 92.6135, 71.4637



19.5232, 21.0712, 19.1825



39.2837, 47.9895, 7.1924



3.8359, 4.6782, 0.7008

Inverse Universe

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



65.3358, 64.0057, 103.5185



59.8090, 57.3198, 102.5193



72.7834, 67.8450, 103.8670



17.0366, 17.3951, 22.7096



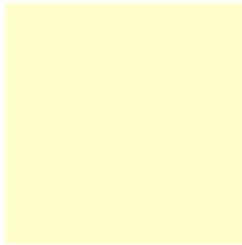
9.4794, 3.7973, 49.6679



0.9343, 0.3755, 4.8365

Previews

White Background



This preview shows how the XYZ color 87.6525, 96.9986, 71.8604 looks on a white background.

Color Contrast Check

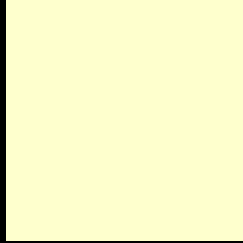
Large Text (above 18pt) WCAG AA × Fail

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 87.6525, 96.9986, 71.8604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

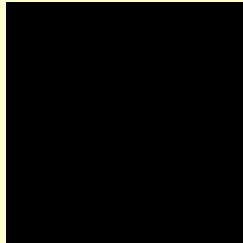
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.6525, 96.9986, 71.8604

Background



This preview shows how black text looks on a background with the XYZ color 87.6525, 96.9986, 71.8604.



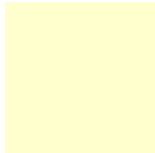
This preview shows how white text looks on a background with the XYZ color 87.6525, 96.9986,

71.8604.

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

87.6525, 96.9986, 71.8604

Protanopia

91.7642, 96.6652, 97.8262

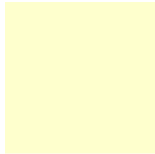
Deuteranopia

92.6805, 97.0317, 102.6511

Tritanopia

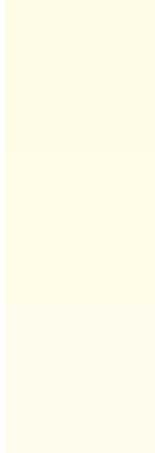
93.1087, 96.6620, 108.3580

Trichromacy



Original Color

87.6525, 96.9986, 71.8604



Protanomaly

90.1933, 96.5380, 88.0087

Deuteranomaly

90.6159, 96.7070, 90.2343

Tritanomaly

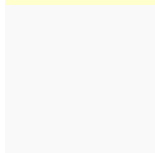
90.9695, 96.8061, 94.0116

Monochromacy



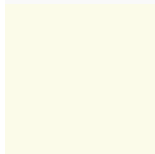
Original Color

87.6525, 96.9986, 71.8604



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.9888, 95.3868, 90.8121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6525, 96.9986, 71.8604 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(254, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 205)  
}
```

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(254, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 87.6525, 96.9986, 71.8604 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(254, 255, 205) }
```


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

```
.border{ border-color:rgb(254, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6525, 96.9986, 71.8604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 205) }
```

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

```
.background{ background-color: rgb(254,  
255, 205) }
```

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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