

Converting Colors

XYZ(86.9595, 96.6885, 69.6991)

Have a look what the booklet for
XYZ(86.9595, 96.6885, 69.6991)
contains.

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Color

**XYZ(86.9287, 96.6669,
69.9541)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFPCA
RGB	253, 255, 202
RGB Percent	99%, 100%, 79%
CMY	0.0078, 0.0000, 0.2078
CMYK	0.01, 0.00, 0.21, 0.00
HSL	62°, 100%, 90%
HSV	62°, 21%, 100%
XYZ	86.9287, 96.6669, 69.9541
YIQ	248.3600, 15.8210, -16.9070

Conversions

Conversions Part 2

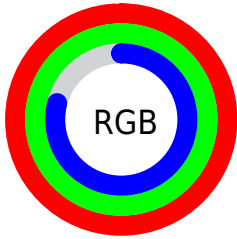
Format	Color
R _Y B	202, 255, 204
Decimal	16646090
CIE Lab	98.70, -9.04, 25.18
CIE LCh	99, 26.751, 109.758
Yxy	96.6669, 0.3428, 0.3813
Android (android.graphics.Color)	4294836170 (0xFFFDFFCA)
YUV	248.3600, -22.8555, 4.0693
Hunter-Lab	98.3193, -14.2387, 26.6388

Details

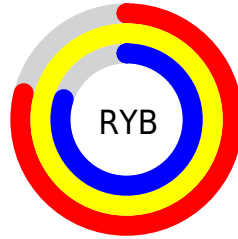
The XYZ color **86.9287, 96.6669, 69.9541** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.0733, 62.2997, 103.2558**, and the grayscale version is **89.6890, 94.3598, 102.7578**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3043, 54.2620, 35.9447** is the 20% darker color. If you saturate the color by 10%, you get **83.8052, 95.3772, 55.3280**, and if you desaturate by 10%, it is **90.5540, 98.1576, 87.2106**.

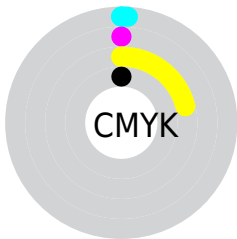
Distribution



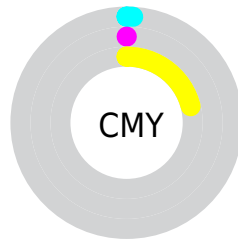
- Red (99%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.9287, 96.6669, 69.9541 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 86.9287, 96.6669, 69.9541 by changing the saturation by 10% instead.


 86.9287, 96.6669,
69.9541

 86.9287, 96.6669,
69.9541


506.3766,
549.4877, 479.1736

 65.7640, 73.5231,
51.0125


141.9649,
156.5655, 120.8238

 48.3479, 54.4038,
35.8418


176.5672,
194.0891, 153.5890

 34.3149, 38.9246,
24.0233


216.3794,
237.1747, 191.7992

 23.2996, 26.7011,
15.1386

261.7669,
286.2068, 235.8729

 14.9368, 17.3488,
8.7690

313.0950,
341.5698, 286.2287

 8.8611, 10.4835,
4.4961

370.7291,

 4.7071, 5.7207,

403.6480, 343.2850

1.9012

435.0345,
472.8258, 407.4605

■ 2.1094, 2.6760,
0.4935

■ 0.6943, 0.9650,
0.0000

■ 86.9287, 96.6669,
69.9541

■ 86.9287, 96.6669,
69.9541

■ 83.8052, 95.3772,
55.3280

■ 90.5540, 98.1576,
87.2106

■ 81.1574, 94.2779,
43.1991

94.7023, 99.8577,
107.2135

■ 78.9593, 93.3587,
33.4291

95.0500, 100.0000,
108.9000

■ 77.1818, 92.6080,
25.8644

■ 75.7921, 92.0126,
20.3332

■ 74.7530, 91.5576,
16.6385

■ 74.0195, 91.2250,
14.5442

■ 73.5490, 91.0010,
13.6885

Harmonies

Analogous

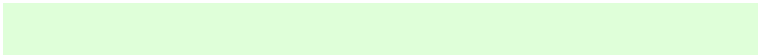
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5566, 96.6669, 68.5666



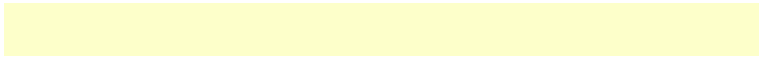
86.9287, 96.6669, 69.9541



80.9579, 96.6669, 80.0003

Triad

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



86.9287, 96.6669, 69.9541



82.5766, 96.6669, 141.3421



107.3517, 96.6669, 113.0330

Complementary

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



86.9287, 96.6669, 69.9541



64.0733, 62.2997, 103.2558

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.



103.7406, 96.6669, 135.3305



86.9287, 96.6669, 69.9541



89.2524, 96.6669, 153.1324

Square

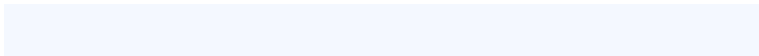
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9287, 96.6669, 69.9541



78.5448, 96.6669, 120.3640



97.0137, 96.6669, 150.7897



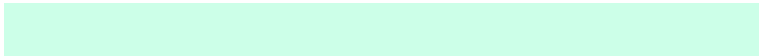
106.6428, 96.6669, 91.4643

Rectangle

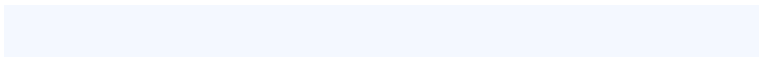
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9287, 96.6669, 69.9541



78.5836, 96.6669, 91.1558



97.0137, 96.6669, 150.7897



106.5952, 96.6669, 120.7353

Sweetspot

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



86.9292, 96.6672, 69.9555



92.4716, 98.9441, 96.4290



73.4389, 68.6003, 65.2490



19.7352, 21.1545, 20.3623



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

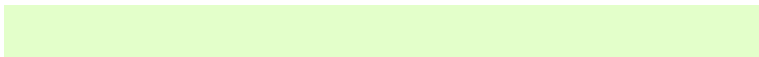
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9292, 96.6672, 69.9555



85.5523, 96.0993, 63.4745



78.0158, 92.0721, 69.5383



19.4895, 21.0538, 19.1809



38.4610, 47.5654, 7.1539



3.7651, 4.6417, 0.6975

Inverse Universe

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



64.0733, 62.2997, 103.2558



58.8950, 56.0145, 102.3155



71.8902, 66.3294, 103.6216



17.0664, 17.4104, 22.7110



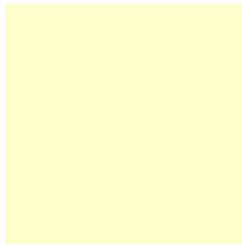
9.5218, 3.8192, 49.6699



0.9484, 0.3828, 4.8372

Previews

White Background



This preview shows how the XYZ color 86.9287, 96.6669, 69.9541 looks on a white background.

Color Contrast Check

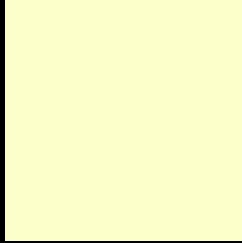
Large Text (above 18pt) WCAG AA × Fail

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 86.9287, 96.6669, 69.9541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

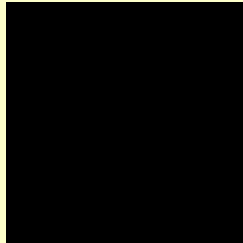
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.9287, 96.6669, 69.9541

Background



This preview shows how black text looks on a background with the XYZ color 86.9287, 96.6669, 69.9541.



This preview shows how white text looks on a background with the XYZ color 86.9287, 96.6669,

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

86.9287, 96.6669, 69.9541

Protanopia

91.4654, 96.5456, 96.2525

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

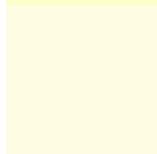
93.1087, 96.6620, 108.3580

Trichromacy



Original Color

86.9287, 96.6669, 69.9541



Protanomaly

89.4109, 96.1826, 85.8041



Deuteranomaly

90.1073, 96.4612, 89.4710



Tritanomaly

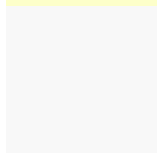
90.8238, 96.7478, 93.2441

Monochromacy



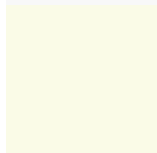
Original Color

86.9287, 96.6669, 69.9541



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.3453, 95.0879, 89.2988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9287, 96.6669, 69.9541 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(253, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 202)  
}
```

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(253, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 86.9287, 96.6669, 69.9541 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(253, 255, 202) }
```


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

```
.border{ border-color:rgb(253, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9287, 96.6669, 69.9541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 202) }
```

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

```
.background{ background-color: rgb(253,  
255, 202) }
```

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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