

Converting Colors

XYZ(109.6846, 140.9339,
83.9180)

Have a look what the booklet for
XYZ(109.6846, 140.9339, 83.9180)
contains.

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Color

**XYZ(87.7885, 96.9689,
76.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFD4
RGB	252, 255, 212
RGB Percent	99%, 100%, 83%
CMY	0.0118, 0.0000, 0.1686
CMYK	0.01, 0.00, 0.17, 0.00
HSL	64°, 100%, 92%
HSV	64°, 17%, 100%
XYZ	87.7885, 96.9689, 76.3773
YIQ	249.2010, 12.0150, -14.0090

Conversions

Conversions Part 2

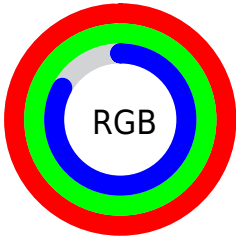
Format	Color
R _Y B	212, 255, 215
Decimal	16580564
CIE Lab	98.82, -7.96, 20.25
CIE LCh	99, 21.763, 111.462
Yxy	96.9689, 0.3362, 0.3713
Android (android.graphics.Color)	4294770644 (0xFFFCFFD4)
YUV	249.2010, -18.3401, 2.4547
Hunter-Lab	98.4728, -13.1946, 22.9445

Details

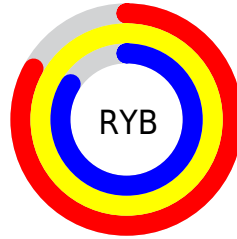
The XYZ color **87.7885, 96.9689, 76.3773** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.6188, 68.7553, 104.2095**, and the grayscale version is **90.3461, 95.0512, 103.5107**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7856, 54.4246, 39.8320** is the 20% darker color. If you saturate the color by 10%, you get **84.1803, 95.4516, 60.7220**, and if you desaturate by 10%, it is **91.9119, 98.6931, 94.7113**.

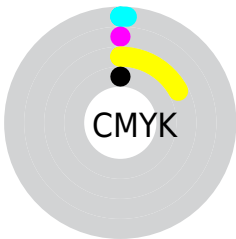
Distribution



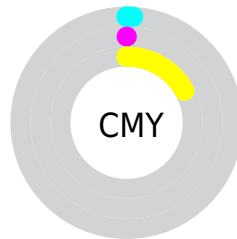
- Red (99%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7885, 96.9689, 76.3773 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 87.7885, 96.9689, 76.3773 by changing the saturation by 10% instead.


 87.7885, 96.9689,
76.3773

 87.7885, 96.9689,
76.3773

509.1561,
550.4492, 502.0195

 66.4781, 73.7748,
56.2334

143.1567,
156.9819, 130.0251

 48.9298, 54.6097,
39.9849

177.9452,
194.5696, 164.3661

 34.7781, 39.0893,
27.2130


217.9572,
237.7240, 204.2765

 23.6577, 26.8292,
17.4994

263.5580,
286.8293, 250.1749

 15.2033, 17.4450,
10.4255

315.1129,
342.2702, 302.4799

 9.0494, 10.5523,
5.5727

372.9874,

 4.8308, 5.7666,

404.4308, 361.6100

2.5225

437.5466,
473.6957, 427.9836

■ 2.1821, 2.7037,
0.8520

■ 0.7333, 0.9791,
0.0000

■ 87.7885, 96.9689,
76.3773

■ 87.7885, 96.9689,
76.3773

■ 84.1803, 95.4516,
60.7220

■ 91.9119, 98.6931,
94.7113

■ 81.0619, 94.1308,
47.6158

95.0500, 100.0000,
108.9000

■ 78.4081, 92.9966,
36.9251

■ 76.1909, 92.0377,
28.5018

■ 74.3790, 91.2417,
22.1822

■ 72.9372, 90.5943,
17.7802

■ 71.8239, 90.0791,
15.0775

■ 70.9867, 89.6750,
13.7974

■ 70.7560, 89.5611,
13.5578

Harmonies

Analogous

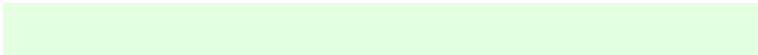
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9831, 96.9689, 74.7543



87.7885, 96.9689, 76.3773



82.9787, 96.9689, 85.3390

Triad

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



87.7885, 96.9689, 76.3773



84.7961, 96.9689, 135.2300



104.7208, 96.9689, 110.8377

Complementary

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



87.7885, 96.9689, 76.3773



69.6188, 68.7553, 104.2095

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.



102.0076, 96.9689, 128.7985



87.7885, 96.9689, 76.3773



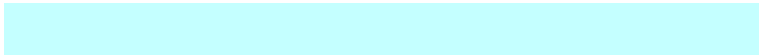
90.3725, 96.9689, 143.8989

Square

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



87.7885, 96.9689, 76.3773



81.3069, 96.9689, 118.8428



96.6867, 96.9689, 141.4197



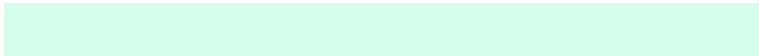
103.9514, 96.9689, 93.3474

Rectangle

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



87.7885, 96.9689, 76.3773



81.1119, 96.9689, 94.8936



96.6867, 96.9689, 141.4197



104.1815, 96.9689, 117.0456

Sweetspot

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



87.7891, 96.9691, 76.3787



92.7381, 99.0375, 98.4297



77.3909, 74.5476, 72.5989



19.7826, 21.1701, 20.7652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

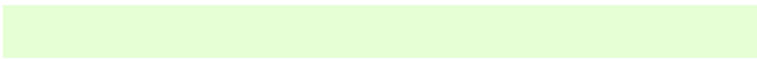
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7891, 96.9691, 76.3787



86.6023, 96.4711, 71.1831



80.4811, 93.2017, 76.0367



19.4288, 21.0225, 19.1781



37.0246, 46.8250, 7.0867



3.6410, 4.5778, 0.6917

Inverse Universe

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



69.6188, 68.7553, 104.2095



65.5311, 63.7516, 103.4592



76.3083, 72.2039, 104.5226



17.1203, 17.4382, 22.7135



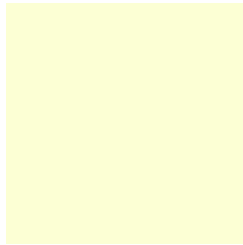
9.6026, 3.8608, 49.6737



0.9740, 0.3960, 4.8384

Previews

White Background



This preview shows how the XYZ color 87.7885, 96.9689, 76.3773 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 87.7885, 96.9689, 76.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

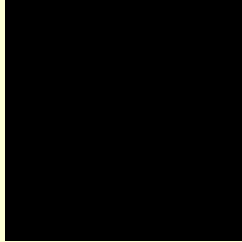
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7885, 96.9689, 76.3773

Background



This preview shows how black text looks on a background with the XYZ color 87.7885, 96.9689, 76.3773.

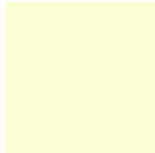


This preview shows how white text looks on a background with the XYZ color 87.7885, 96.9689,

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

87.7885, 96.9689, 76.3773



Protanopia

91.7642, 96.6652, 97.8262

Deuteranopia

92.8361, 97.0939, 103.4705

Tritanopia

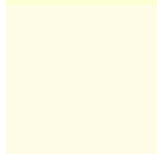
93.0552, 97.0970, 108.4448

Trichromacy



Original Color

87.7885, 96.9689, 76.3773



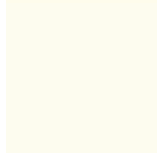
Protanomaly

90.1073, 96.4612, 89.4710



Deuteranomaly

90.8238, 96.7478, 93.2441



Tritanomaly

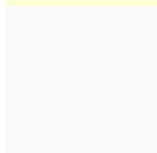
90.8984, 96.7354, 95.5423

Monochromacy



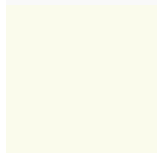
Original Color

87.7885, 96.9689, 76.3773



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

89.0618, 95.3745, 93.0719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7885, 96.9689, 76.3773 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(252, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 212)  
}
```

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(252, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 87.7885, 96.9689, 76.3773 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(252, 255, 212) }
```


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

```
.border{ border-color:rgb(252, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7885, 96.9689, 76.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 212) }
```

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

```
.background{ background-color: rgb(252,  
255, 212) }
```

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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