

Converting Colors

XYZ(87.2184, 96.6801, 76.1210)

Have a look what the booklet for
XYZ(87.2184, 96.6801, 76.1210)
contains.

XYZ(87.4273, 96.7827, 76.3604)	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(87.4273, 96.7827,
76.3604)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFFD4
RGB	251, 255, 212
RGB Percent	98%, 100%, 83%
CMY	0.0157, 0.0000, 0.1686
CMYK	0.02, 0.00, 0.17, 0.00
HSL	66°, 100%, 92%
HSV	66°, 17%, 100%
XYZ	87.4273, 96.7827, 76.3604
YIQ	248.9020, 11.4190, -14.2210

Conversions

Conversions Part 2

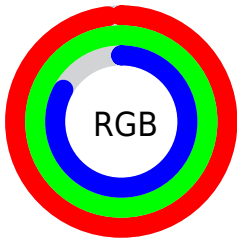
Format	Color
RYB	212, 255, 216
Decimal	16515028
CIELab	98.74, -8.31, 20.14
CIELCh	99, 21.789, 112.432
Yxy	96.7827, 0.3355, 0.3714
Android (android.graphics.Color)	4294705108 (0xFFFBFFD4)
YUV	248.9020, -18.1927, 1.8399
Hunter-Lab	98.3782, -13.5314, 22.8443

Details

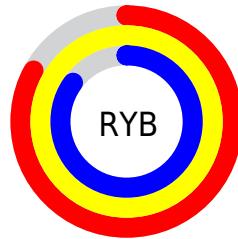
The XYZ color **87.4273, 96.7827, 76.3604** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.9133, 68.9072, 104.2233**, and the grayscale version is **90.0994, 94.7916, 103.2280**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5280, 54.2918, 39.8200** is the 20% darker color. If you saturate the color by 10%, you get **83.6112, 95.1582, 60.6953**, and if you desaturate by 10%, it is **91.7633, 98.6165, 94.7044**.

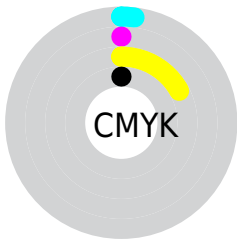
Distribution



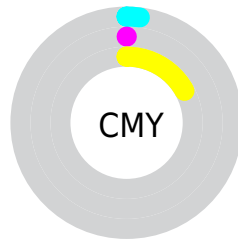
- Red (98%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (85%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4273, 96.7827, 76.3604 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 87.4273, 96.7827, 76.3604 by changing the saturation by 10% instead.


 87.4273, 96.7827,
76.3604

 87.4273, 96.7827,
76.3604


507.9894,
549.8565, 501.9602

 66.1781, 73.6196,
56.2197


142.6562,
156.7252, 130.0010

 48.6852, 54.4828,
39.9739

177.3666,
194.2734, 164.3379

 34.5833, 38.9878,
27.2046


217.2947,
237.3854, 204.2439

 23.5071, 26.7502,
17.4931

262.8060,
286.4456, 250.1377

 15.0912, 17.3857,
10.4210

314.2658,
341.8384, 302.4376

 8.9701, 10.5099,
5.5698

372.0393,

 4.7786, 5.7383,

403.9482, 361.5623

2.5208

436.4921,
473.1595, 427.9303

■ 2.1514, 2.6866,
0.8511

■ 0.7169, 0.9704,
0.0000

■ 87.4273, 96.7827,
76.3604

■ 87.4273, 96.7827,
76.3604

■ 83.6112, 95.1582,
60.6953

■ 91.7633, 98.6165,
94.7044

■ 80.2895, 93.7326,
47.5797

95.0500, 100.0000,
108.9000

■ 77.4371, 92.4960,
36.8796

■ 75.0258, 91.4371,
28.4473

■ 73.0245, 90.5434,
22.1188

■ 71.3978, 89.8007,
17.7082

■ 70.1042, 89.1925,
14.9970

■ 69.0911, 88.6978,
13.7087

■ 68.8061, 88.5559,
13.4665

Harmonies

Analogous

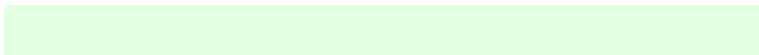
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5996, 96.7827, 74.4950



87.4273, 96.7827, 76.3604



82.6849, 96.7827, 85.5440

Triad

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



87.4273, 96.7827, 76.3604



84.7736, 96.7827, 135.4584



104.5751, 96.7827, 110.0327

Complementary

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



87.4273, 96.7827, 76.3604



69.9133, 68.9072, 104.2233

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.



101.9663, 96.7827, 128.0671



87.4273, 96.7827, 76.3604



90.3971, 96.7827, 143.8018

Square

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



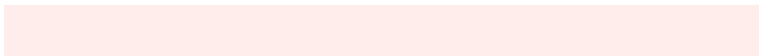
87.4273, 96.7827, 76.3604



81.2024, 96.7827, 119.2328



96.7068, 96.7827, 140.9527



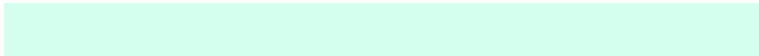
103.6910, 96.7827, 92.6439

Rectangle

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



87.4273, 96.7827, 76.3604



80.8781, 96.7827, 95.2155



96.7068, 96.7827, 140.9527



104.0736, 96.7827, 116.2431

Sweetspot

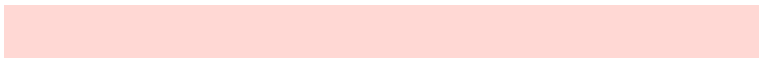
The Sweet Spot groups the original color and five complimentary colors.



87.4279, 96.7829, 76.3618



92.6296, 98.9816, 98.4247



77.5737, 74.9131, 72.6599



19.7561, 21.1564, 20.7640



0.0000, 0.0000, 0.0000



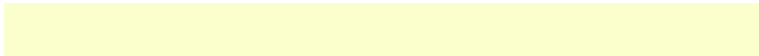
20.3446, 21.4041, 23.3091

Same Dimension

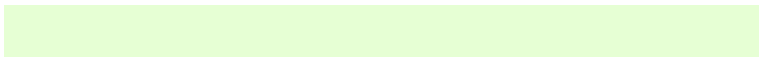
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4279, 96.7829, 76.3618



86.1754, 96.2510, 71.1631



80.2507, 93.0830, 76.0259



19.3848, 20.9998, 19.1760



36.0212, 46.3077, 7.0398



3.5538, 4.5328, 0.6876

Inverse Universe

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



69.9133, 68.9072, 104.2233



65.8649, 63.9237, 103.4748



76.5472, 72.3271, 104.5338



17.1596, 17.4585, 22.7154



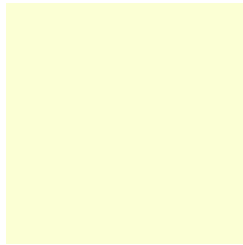
9.6770, 3.8992, 49.6772



0.9925, 0.4056, 4.8392

Previews

White Background



This preview shows how the XYZ color 87.4273, 96.7827, 76.3604 looks on a white background.

Color Contrast Check

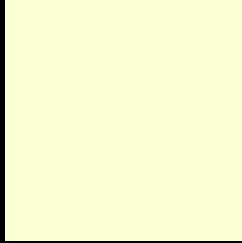
Large Text (above 18pt) WCAG AA × Fail

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 87.4273, 96.7827, 76.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

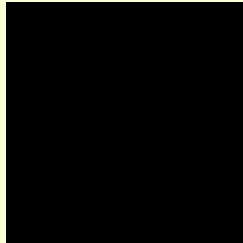
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4273, 96.7827, 76.3604

Background



This preview shows how black text looks on a background with the XYZ color 87.4273, 96.7827, 76.3604.



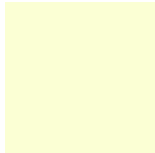
This preview shows how white text looks on a background with the XYZ color 87.4273, 96.7827,

76.3604.

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

87.4273, 96.7827, 76.3604

Protanopia

91.6144, 96.6052, 97.0372

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

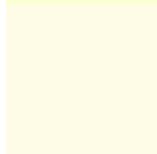
92.7436, 96.4739, 108.3409

Trichromacy



Original Color

87.4273, 96.7827, 76.3604



Protanomaly

89.9664, 96.4048, 88.7292



Deuteranomaly

90.6789, 96.6898, 92.4810



Tritanomaly

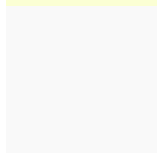
90.5353, 96.5482, 95.5253

Monochromacy



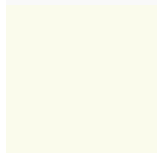
Original Color

87.4273, 96.7827, 76.3604



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 87.4273, 96.7827, 76.3604 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 87.4273, 96.7827, 76.3604 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, 212) }
```


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

```
.border{ border-color:rgb(251, 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(251, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4273, 96.7827, 76.3604 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, 212) }
```

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

```
.background{ background-color: rgb(251,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor