

Converting Colors

XYZ(87.3562, 96.7681, 75.3599)

Have a look what the booklet for
XYZ(87.3562, 96.7681, 75.3599)
contains.

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Color

**XYZ(87.1765, 96.6824,
75.0396)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FBFFD2 |
| RGB | 251, 255, 210 |
| RGB Percent | 98%, 100%, 82% |
| CMY | 0.0157, 0.0000, 0.1765 |
| CMYK | 0.02, 0.00, 0.18, 0.00 |
| HSL | 65°, 100%, 91% |
| HSV | 65°, 18%, 100% |
| XYZ | 87.1765, 96.6824, 75.0396 |
| YIQ | 248.6740, 12.0610, -14.8430 |

Conversions

Conversions Part 2

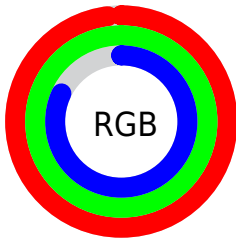
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 210, 255, 214 |
| Decimal | 16515026 |
| CIE Lab | 98.70, -8.61, 21.10 |
| CIE LCh | 99, 22.791, 112.193 |
| Yxy | 96.6824, 0.3367, 0.3734 |
| Android (android.graphics.Color) | 4294705106 (0xFFFBFFD2) |
| YUV | 248.6740, -19.0663, 2.0399 |
| Hunter-Lab | 98.3272, -13.8152, 23.5812 |

Details

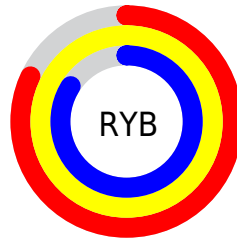
The XYZ color **87.1765, 96.6824, 75.0396** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.8290, 67.6105, 104.0302**, and the grayscale version is **89.9187, 94.6014, 103.0210**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3586, 54.2241, 38.9279** is the 20% darker color. If you saturate the color by 10%, you get **83.4367, 95.0927, 59.5810**, and if you desaturate by 10%, it is **91.4334, 98.4800, 93.1676**.

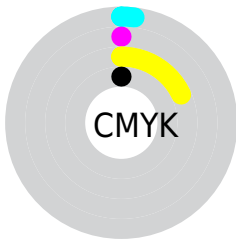
Distribution



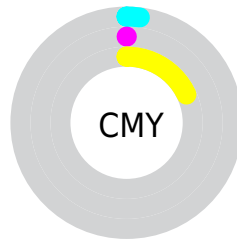
- Red (98%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (84%)



- Cyan (2%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.1765, 96.6824, 75.0396 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 87.1765, 96.6824, 75.0396 by changing the saturation by 10% instead.


 87.1765, 96.6824,
75.0396

 87.1765, 96.6824,
75.0396


507.1785,
549.5371, 497.3127

 65.9698, 73.5360,
55.1434


142.3085,
156.5869, 128.1160

 48.5155, 54.4144,
39.1172


176.9646,
194.1138, 162.1333

 34.4482, 38.9331,
26.5424


216.8344,
237.2029, 201.6948

 23.4027, 26.7076,
17.0004

262.2835,
286.2388, 247.2189

 15.0135, 17.3538,
10.0728

313.6770,
341.6058, 299.1242

 8.9152, 10.4870,
5.3410

371.3805,

 4.7426, 5.7231,

403.6882, 357.8292

2.3865

435.7592,
472.8705, 423.7526

■ 2.1302, 2.6774,
0.7791

■ 0.7056, 0.9657,
0.0000

■ 87.1765, 96.6824,
75.0396

■ 87.1765, 96.6824,
75.0396

■ 83.4367, 95.0927,
59.5810

■ 91.4334, 98.4800,
93.1676

■ 80.1886, 93.7008,
46.6615

95.0500, 100.0000,
108.9000

■ 77.4066, 92.4965,
36.1464

■ 75.0626, 91.4685,
27.8869

■ 73.1250, 90.6042,
21.7174

■ 71.5582, 89.8893,
17.4500

■ 70.3199, 89.3069,
14.8630

■ 69.3546, 88.8349,
13.6638

■ 69.1480, 88.7321,
13.4825

Harmonies

Analogous

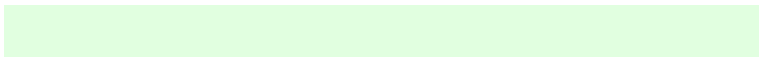
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6307, 96.6824, 73.1728



87.1765, 96.6824, 75.0396



82.2144, 96.6824, 84.4993

Triad

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



87.1765, 96.6824, 75.0396



84.3216, 96.6824, 136.7239



105.0680, 96.6824, 110.2921

Complementary

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



87.1765, 96.6824, 75.0396



68.8290, 67.6105, 104.0302

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.



102.3044, 96.6824, 129.1943



87.1765, 96.6824, 75.0396



90.1783, 96.6824, 145.6025

Square

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



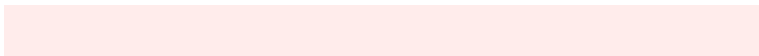
87.1765, 96.6824, 75.0396



80.6221, 96.6824, 119.6256



96.7781, 96.6824, 142.6936



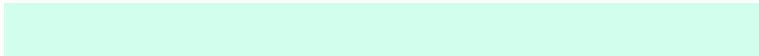
104.1699, 96.6824, 92.1127

Rectangle

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



87.1765, 96.6824, 75.0396



80.3175, 96.6824, 94.5284



96.7781, 96.6824, 142.6936



104.5320, 96.6824, 116.7975

Sweetspot

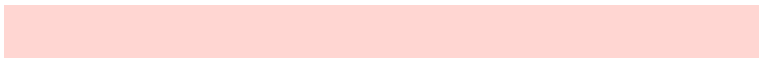
The Sweet Spot groups the original color and five complimentary colors.



87.1770, 96.6826, 75.0410



92.6489, 98.9915, 98.4256



76.8569, 73.8809, 71.1837



19.7608, 21.1589, 20.7642



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

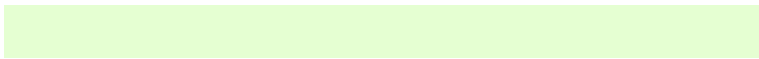
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1770, 96.6826, 75.0410



85.8663, 96.1267, 69.5650



79.6269, 92.7904, 74.6876



19.3926, 21.0038, 19.1764



36.1972, 46.3984, 7.0480



3.5691, 4.5407, 0.6883

Inverse Universe

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



68.8290, 67.6105, 104.0302



64.5535, 62.3552, 103.2412



75.7725, 71.1900, 104.3551



17.1526, 17.4549, 22.7150



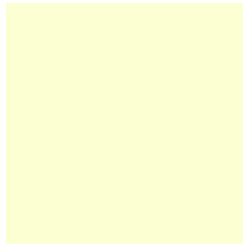
9.6626, 3.8918, 49.6765



0.9892, 0.4039, 4.8391

Previews

White Background



This preview shows how the XYZ color 87.1765, 96.6824, 75.0396 looks on a white background.

Color Contrast Check

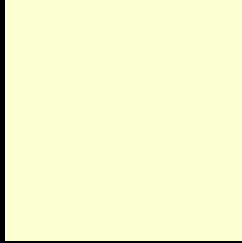
Large Text (above 18pt) WCAG AA × Fail

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 87.1765, 96.6824, 75.0396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

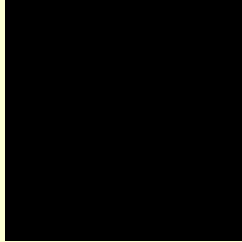
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.1765, 96.6824, 75.0396

Background



This preview shows how black text looks on a background with the XYZ color 87.1765, 96.6824, 75.0396.

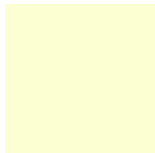


This preview shows how white text looks on a background with the XYZ color 87.1765, 96.6824,

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

87.1765, 96.6824, 75.0396



Protanopia

91.6144, 96.6052, 97.0372

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

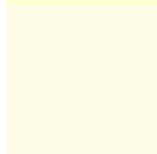
92.7436, 96.4739, 108.3409

Trichromacy



Original Color

87.1765, 96.6824, 75.0396



Protanomaly

89.9664, 96.4048, 88.7292



Deuteranomaly

90.5347, 96.6322, 91.7221



Tritanomaly

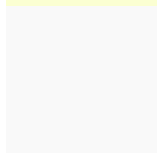
90.5353, 96.5482, 95.5253

Monochromacy



Original Color

87.1765, 96.6824, 75.0396



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.9169, 95.3165, 92.3088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1765, 96.6824, 75.0396 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 87.1765, 96.6824, 75.0396 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, 210) }
```


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

```
.border{ border-color:rgb(251, 255, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1765, 96.6824, 75.0396 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, 210) }
```

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

```
.background{ background-color: rgb(251,  
255, 210) }
```

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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