

# Converting Colors

XYZ(111.6844, 141.4897,  
104.1160)

Have a look what the booklet for  
XYZ(111.6844, 141.4897, 104.1160)  
contains.

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# **Color**

**XYZ(89.4942, 97.4041,  
96.5221)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F6FFF0                     |
| RGB         | 246, 255, 240              |
| RGB Percent | 96%, 100%, 94%             |
| CMY         | 0.0353, 0.0000, 0.0588     |
| CMYK        | 0.04, 0.00, 0.06, 0.00     |
| HSL         | 96°, 100%, 97%             |
| HSV         | 96°, 6%, 100%              |
| XYZ         | 89.4942, 97.4041, 96.5221  |
| YIQ         | 250.5990, -0.5490, -6.5730 |

# Conversions

## Conversions Part 2

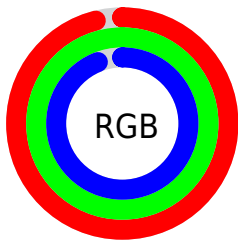
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 240, 255, 249                 |
| Decimal                             | 16187376                      |
| CIE Lab                             | 98.99, -5.57, 6.13            |
| CIE LCh                             | 99, 8.280, 132.259            |
| Yxy                                 | 97.4041, 0.3158,<br>0.3437    |
| Android<br>(android.graphics.Color) | 4294377456<br>(0xFFFF6FFF0)   |
| YUV                                 | 250.5990, -5.2253,<br>-4.0333 |
| Hunter-Lab                          | 98.6935, -10.8518,<br>11.0999 |

# Details

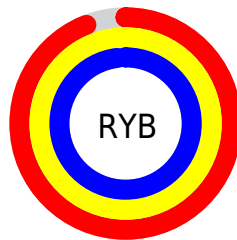
The XYZ color 89.4942, 97.4041, 96.5221 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.2777, 89.6811, 107.2652, and the grayscale version is 91.4036, 96.1637, 104.7223.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0810, 54.7960, 53.2845 is the 20% darker color. If you saturate the color by 10%, you get 80.8207, 93.3401, 77.7116, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

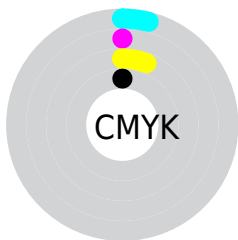
# Distribution



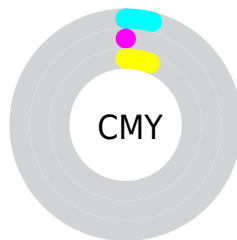
- Red (96%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (98%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.4942, 97.4041, 96.5221 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 89.4942, 97.4041, 96.5221 by changing the saturation by 10% instead.




 89.4942, 97.4041,  
96.5221

 89.4942, 97.4041,  
96.5221

514.6466,  
551.8331, 570.1348

 67.8961, 74.1375,  
72.7986


145.5175,  
157.5818, 158.3794

 50.0866, 54.9066,  
53.3205


180.6735,  
195.2617, 197.3503

 35.7003, 39.3269,  
37.6692


221.0794,  
238.5149, 242.2407

 24.3718, 27.0142,  
25.4262

267.1007,  
287.7257, 293.4692

 15.7359, 17.5839,  
16.1730

319.1028,  
343.2785, 351.4543

 9.4271, 10.6516,  
9.4910

377.4508,

 5.0801, 5.8331,

405.5578, 416.6146

4.9616

442.5103,  
474.9479, 489.3685

■ 2.3296, 2.7439,  
2.1664

■ 0.8097, 0.9995,  
0.6549

■ 89.4942, 97.4041,  
96.5221

■ 89.4942, 97.4041,  
96.5221

■ 80.8207, 93.3401,  
77.7116

95.0500, 100.0000,  
108.9000

■ 73.0882, 89.7023,  
61.6073

■ 66.2629, 86.4759,  
48.0857

■ 60.3078, 83.6449,  
37.0120

■ 55.1832, 81.1919,  
28.2393

■ 50.8458, 79.0983,  
21.6049

■ 47.2475, 77.3432,  
16.9246

■ 44.3338, 75.9031,  
13.9834

■ 42.0392, 74.7504,  
12.5143

# Harmonies

## Analogous

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



91.5979, 97.4041, 93.5934



89.4942, 97.4041, 96.5221



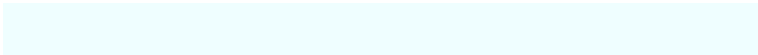
88.2302, 97.4041, 102.0585

# Triad

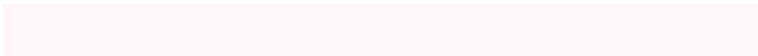
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4942, 97.4041, 96.5221



91.1730, 97.4041, 119.2237



97.1884, 97.4041, 103.2598

# Complementary

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



89.4942, 97.4041, 96.5221



88.2777, 89.6811, 107.2652

# 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.



97.0698, 97.4041, 110.1576



89.4942, 97.4041, 96.5221



93.5684, 97.4041, 119.5797

# Square

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



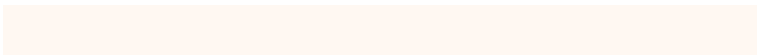
89.4942, 97.4041, 96.5221



89.1878, 97.4041, 115.2465



95.7353, 97.4041, 116.1990



96.0565, 97.4041, 97.3686



# Rectangle

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



89.4942, 97.4041, 96.5221



88.0201, 97.4041, 106.5812



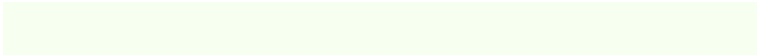
95.7353, 97.4041, 116.1990



97.2940, 97.4041, 105.5335

# Sweetspot

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



89.4950, 97.4045, 96.5236



93.1228, 99.1001, 104.5804



90.7672, 95.1488, 96.0211



19.9524, 21.2210, 22.4297



0.0000, 0.0000, 0.0000

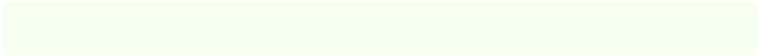


20.3446, 21.4041, 23.3091



# Same Dimension

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



89.4950, 97.4045, 96.5236



88.4771, 96.9283, 94.2815



87.6106, 96.4115, 97.4081



18.8212, 20.6921, 19.9242



21.7061, 38.9280, 6.3698



2.2327, 3.8518, 0.6258



# Inverse Universe

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



88.2777, 89.6811, 107.2652



87.0393, 87.8061, 106.9685



90.2500, 90.7210, 106.3105



18.4883, 18.5800, 22.8618



16.4684, 7.4002, 49.9950

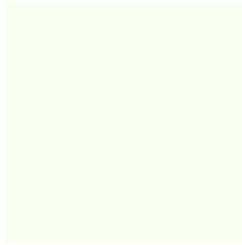


1.7268, 0.7841, 4.8736



# Previews

## White Background



This preview shows how the XYZ color 89.4942, 97.4041, 96.5221 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 89.4942, 97.4041, 96.5221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

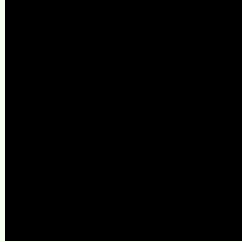
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

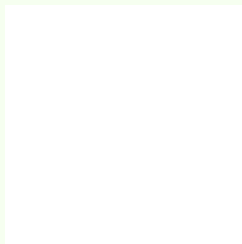
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.4942, 97.4041, 96.5221

## Background



This preview shows how black text looks on a background with the XYZ color 89.4942, 97.4041, 96.5221.



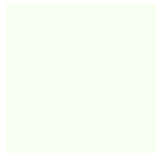
This preview shows how white text looks on a background with the XYZ color 89.4942, 97.4041,



# 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

89.4942, 97.4041, 96.5221



### Protanopia

92.8389, 97.5962, 101.9405

### Deuteranopia

93.1498, 97.2194, 105.1225

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy



**Original Color**

89.4942, 97.4041, 96.5221

**Protanomaly**

91.5993, 97.4777, 99.5752

**Deuteranomaly**

91.7438, 97.0317, 101.8893

**Tritanomaly**

91.8049, 97.4767, 104.4187

# Monochromacy



**Original Color**

89.4942, 97.4041, 96.5221

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

90.6658, 96.4759, 101.8388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.4942, 97.4041, 96.5221 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(246, 255, 240) looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 240)  
}
```

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(246, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 89.4942, 97.4041, 96.5221 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(246, 255, 240) }
```



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

```
.border{ border-color:rgb(246, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.4942, 97.4041, 96.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 240) }
```

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

```
.background{ background-color: rgb(246,  
255, 240) }
```

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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