

# Converting Colors

XYZ(89.2582, 100.0000,  
97.6296)

Have a look what the booklet for  
XYZ(89.2582, 100.0000, 97.6296)  
contains.

|  |    |
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# Color

**XYZ(87.5724, 96.3961,  
97.2098)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F0FFF1                     |
| RGB         | 240, 255, 241              |
| RGB Percent | 94%, 100%, 95%             |
| CMY         | 0.0588, 0.0000, 0.0549     |
| CMYK        | 0.06, 0.00, 0.05, 0.00     |
| HSL         | 124°, 100%, 97%            |
| HSV         | 124°, 6%, 100%             |
| XYZ         | 87.5724, 96.3961, 97.2098  |
| YIQ         | 248.9190, -4.4460, -7.5340 |

# Conversions

## Conversions Part 2

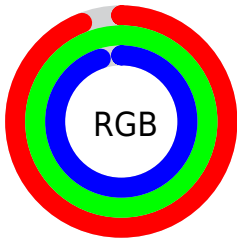
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 240, 254, 255                 |
| Decimal                             | 15794161                      |
| CIE <sub>Lab</sub>                  | 98.59, -7.39, 4.99            |
| CIE <sub>LCh</sub>                  | 99, 8.912, 145.973            |
| Yxy                                 | 96.3961, 0.3114,<br>0.3428    |
| Android<br>(android.graphics.Color) | 4293984241<br>(0xFFFF0FFF1)   |
| YUV                                 | 248.9190, -3.9041,<br>-7.8220 |
| Hunter-Lab                          | 98.1815, -12.6057,<br>10.0239 |

# Details

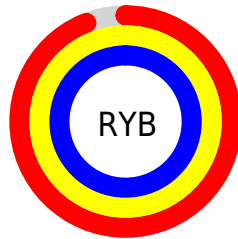
The XYZ color **87.5724, 96.3961, 97.2098** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2900, 90.7370, 106.5212**, and the grayscale version is **90.0092, 94.6967, 103.1247**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7182, 54.0813, 53.7700** is the 20% darker color. If you saturate the color by 10%, you get **76.1889, 90.9120, 79.3156**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

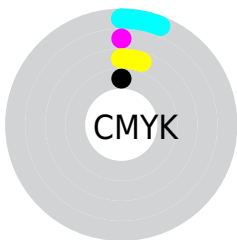
# Distribution



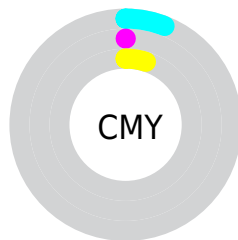
- Red (94%)
- Green (100%)
- Blue (95%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5724, 96.3961, 97.2098 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 87.5724, 96.3961, 97.2098 by changing the saturation by 10% instead.



87.5724, 96.3961,  
97.2098

87.5724, 96.3961,  
97.2098

508.4583,  
548.6248, 572.3795

66.2986, 73.2975,  
73.3685

142.8573,  
156.1920, 159.3358

48.7834, 54.2193,  
53.7837

177.5991,  
193.6580, 198.4575

34.6616, 38.7770,  
38.0368

217.5609,  
236.6820, 243.5099

23.5676, 26.5863,  
25.7092

263.1082,  
285.6483, 294.9114

15.1362, 17.2627,  
16.3824

314.6062,  
340.9414, 353.0806

9.0019, 10.4220,  
9.6379

372.4203,

4.7996, 5.6796,

402.9456, 418.4360

5.0571

436.9159,  
472.0452, 491.3961

■ 2.1637, 2.6513,  
2.2215

■ 0.7235, 0.9525,  
0.6867

■ 87.5724, 96.3961,  
97.2098

■ 87.5724, 96.3961,  
97.2098

■ 76.1889, 90.9120,  
79.3156

95.0500, 100.0000,  
108.9000

■ 66.4173, 86.2073,  
63.8267

■ 58.1853, 82.2469,  
50.6418

■ 51.4145, 78.9926,  
39.6509

■ 46.0191, 76.4030,  
30.7350

■ 41.9048, 74.4320,  
23.7637

■ 38.9652, 73.0280,  
18.5921

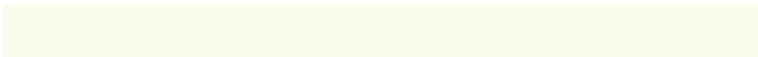
■ 37.0764, 72.1306,  
15.0548

■ 36.0871, 71.6660,  
12.9560

# Harmonies

## Analogous

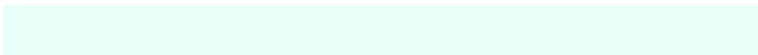
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4667, 96.3961, 92.7006



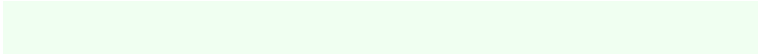
87.5724, 96.3961, 97.2098



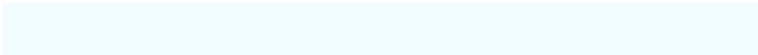
86.7628, 96.3961, 103.9647

# Triad

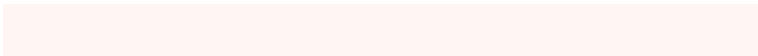
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5724, 96.3961, 97.2098



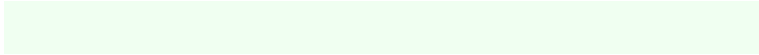
91.2738, 96.3961, 119.7748



96.1529, 96.3961, 98.8604

# Complementary

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



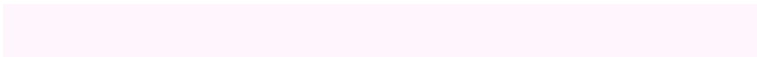
87.5724, 96.3961, 97.2098



90.2900, 90.7370, 106.5212

# 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.



96.6585, 96.3961, 105.9595



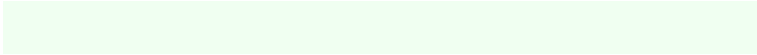
87.5724, 96.3961, 97.2098



93.8109, 96.3961, 118.2529

# Square

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



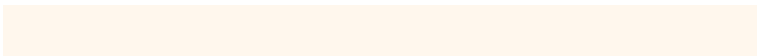
87.5724, 96.3961, 97.2098



88.8743, 96.3961, 117.1763



95.7937, 96.3961, 113.1094



94.4250, 96.3961, 93.6218



# Rectangle

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



87.5724, 96.3961, 97.2098



86.9358, 96.3961, 108.9164



95.7937, 96.3961, 113.1094



96.4728, 96.3961, 101.0985

# Sweetspot

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



87.5733, 96.3966, 97.2113



92.4415, 98.7427, 104.8270



92.3615, 98.8822, 96.6577



19.8136, 21.1482, 22.4800



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.



87.5733, 96.3966, 97.2113



86.2178, 95.7434, 95.0873



88.7169, 96.8540, 103.2337



18.2994, 20.4185, 20.1100



18.7564, 37.3992, 6.6026



1.8426, 3.6480, 0.7291



# Inverse Universe

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



90.2900, 90.7370, 106.5212



89.4266, 89.0589, 106.0832



89.1122, 90.2659, 100.3189



19.0424, 18.8707, 22.6560



29.6349, 14.3432, 43.5892

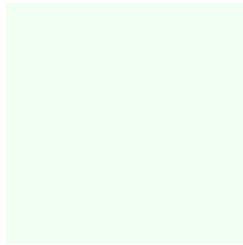


2.9006, 1.4026, 4.3238



# Previews

## White Background



This preview shows how the XYZ color 87.5724, 96.3961, 97.2098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

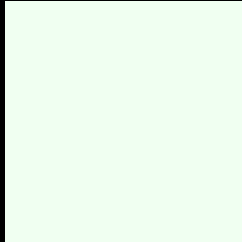
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.5724, 96.3961, 97.2098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

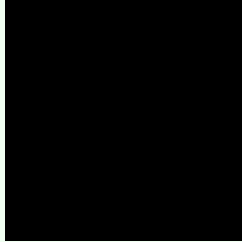
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

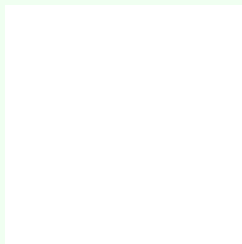
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.5724, 96.3961, 97.2098**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.5724, 96.3961, 97.2098.



This preview shows how white text looks on a background with the XYZ color 87.5724, 96.3961,

97.2 98.

# 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

87.5724, 96.3961, 97.2098



### Protanopia

91.7547, 96.1629, 99.3132

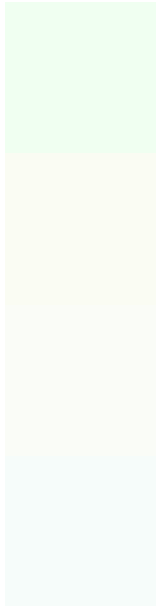
### Deuteranopia

92.6809, 96.5333, 104.1905

## **Tritanopia**

91.9715, 96.5384, 108.3941

# Trichromacy



## Original Color

87.5724, 96.3961, 97.2098

## Protanomaly

90.4124, 96.4159, 98.6389

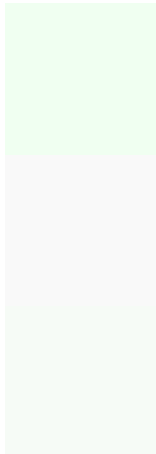
## Deuteranomaly

91.0232, 96.6602, 101.8555

## Tritanomaly

90.0718, 96.1158, 104.2474

# Monochromacy



## Original Color

87.5724, 96.3961, 97.2098

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.1378, 95.2410, 100.8741

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.5724, 96.3961, 97.2098 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(240, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 241)  
}
```

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(240, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 87.5724, 96.3961, 97.2098 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(240, 255, 241) }
```



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

```
.border{ border-color:rgb(240, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.5724, 96.3961, 97.2098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 241) }
```

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

```
.background{ background-color: rgb(240,  
255, 241) }
```

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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