

Converting Colors

XYZ(89.1775, 100.0000,
97.8489)

Have a look what the booklet for
XYZ(89.1775, 100.0000, 97.8489)
contains.

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Color

**XYZ(87.2338, 96.2216,
97.1940)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFF1
RGB	239, 255, 241
RGB Percent	94%, 100%, 95%
CMY	0.0627, 0.0000, 0.0549
CMYK	0.06, 0.00, 0.05, 0.00
HSL	128°, 100%, 97%
HSV	128°, 6%, 100%
XYZ	87.2338, 96.2216, 97.1940
YIQ	248.6200, -5.0420, -7.7460

Conversions

Conversions Part 2

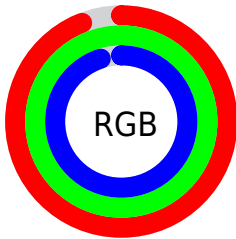
Format	Color
R_{YB}	239, 253, 255
Decimal	15728625
CIE _{Lab}	98.52, -7.72, 4.88
CIE _{LCh}	99, 9.129, 147.698
Yxy	96.2216, 0.3108, 0.3429
Android (android.graphics.Color)	4293918705 (0xFFEFFFF1)
YUV	248.6200, -3.7567, -8.4367
Hunter-Lab	98.0926, -12.9219, 9.9180

Details

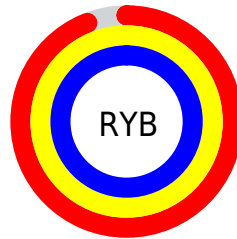
The XYZ color **87.2338, 96.2216, 97.1940** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.8366, 90.0858, 105.5817**, and the grayscale version is **89.7630, 94.4376, 102.8426**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4795, 53.9582, 53.7588** is the 20% darker color. If you saturate the color by 10%, you get **76.0917, 90.8394, 80.3274**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

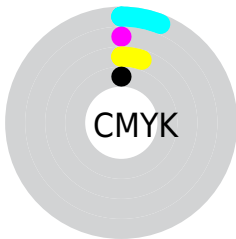
Distribution



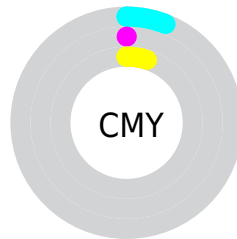
- Red (94%)
- Green (100%)
- Blue (95%)



- Red (94%)
- Yellow (99%)
- 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 87.2338, 96.2216, 97.1940 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 87.2338, 96.2216, 97.1940 by changing the saturation by 10% instead.


 87.2338, 96.2216,
97.1940

 87.2338, 96.2216,
97.1940


507.3639,
548.0684, 572.3280

 66.0174, 73.1521,
73.3554


142.3880,
155.9512, 159.3138

 48.5543, 54.1004,
53.7731

177.0564,
193.3801, 198.4321

 34.4791, 38.6819,
38.0283


216.9396,
236.3644, 243.4808

 23.4265, 26.5124,
25.7027

262.4029,
285.2883, 294.8783

 15.0312, 17.2073,
16.3776

313.8116,
340.5362, 353.0433

 8.9277, 10.3824,
9.6345

371.5311,

 4.7508, 5.6532,

402.4926, 418.3942

5.0549

435.9267,
471.5419, 491.3496

■ 2.1351, 2.6354,
2.2202

■ 0.7082, 0.9445,
0.6860

■ 87.2338, 96.2216,
97.1940

■ 87.2338, 96.2216,
97.1940

■ 76.0917, 90.8394,
80.3274

95.0500, 100.0000,
108.9000

■ 66.5064, 86.2143,
65.5863

■ 58.4089, 82.3126,
52.8877

■ 51.7242, 79.0975,
42.1416

■ 46.3708, 76.5289,
33.2510

■ 42.2586, 74.5628,
26.1108

■ 39.2864, 73.1494,
20.6053

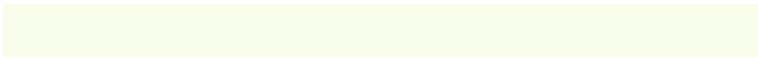
■ 37.3367, 72.2307,
16.6048

■ 36.2653, 71.7358,
13.9600

Harmonies

Analogous

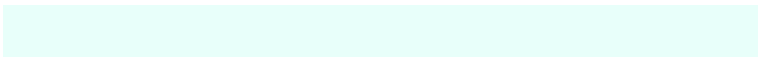
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1176, 96.2216, 92.4224



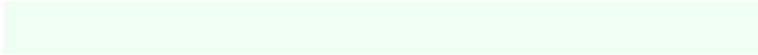
87.2338, 96.2216, 97.1940



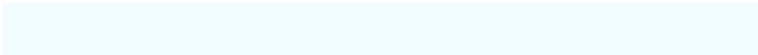
86.4791, 96.2216, 104.1863

Triad

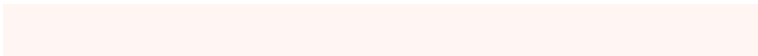
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2338, 96.2216, 97.1940



91.2521, 96.2216, 119.9694



96.0222, 96.2216, 98.1589

Complementary

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



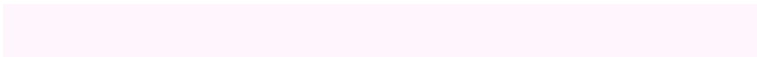
87.2338, 96.2216, 97.1940



89.8366, 90.0858, 105.5817

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.



96.6198, 96.2216, 105.3538



87.2338, 96.2216, 97.1940



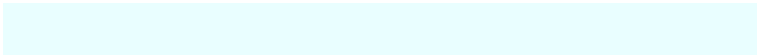
93.8344, 96.2216, 118.1689

Square

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



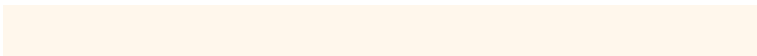
87.2338, 96.2216, 97.1940



88.7711, 96.2216, 117.5375



95.8118, 96.2216, 112.7276



94.1940, 96.2216, 92.9604

Rectangle

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



87.2338, 96.2216, 97.1940



86.7067, 96.2216, 109.2487



95.8118, 96.2216, 112.7276



96.3751, 96.2216, 100.4134

Sweetspot

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



87.2346, 96.2220, 97.1955



92.4883, 98.7614, 105.0733



91.8969, 98.6598, 95.8624



19.8231, 21.1520, 22.5301



0.0000, 0.0000, 0.0000



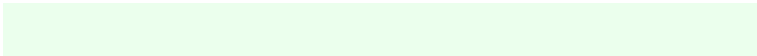
20.3446, 21.4041, 23.3091

Same Dimension

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



87.2346, 96.2220, 97.1955



85.1971, 95.2374, 94.1284



88.4354, 96.7023, 103.5184



17.8640, 20.2051, 19.5866



18.8493, 37.4363, 7.0918



1.8630, 3.6561, 0.8364

Inverse Universe

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



89.8366, 90.0858, 105.5817



88.4760, 87.5047, 104.6963



88.6089, 89.5948, 99.1171



18.6891, 18.2590, 22.2462



28.5552, 13.9114, 37.9039



2.8066, 1.3650, 3.8287

Previews

White Background



This preview shows how the XYZ color 87.2338, 96.2216, 97.1940 looks on a white background.

Color Contrast Check

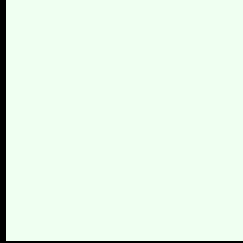
Large Text (above 18pt) WCAG AA × Fail

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 87.2338, 96.2216, 97.1940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

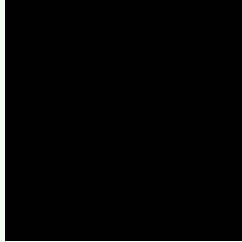
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

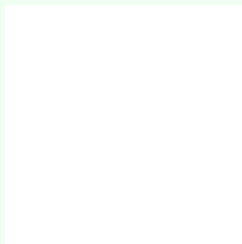
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.2338, 96.2216, 97.1940

Background



This preview shows how black text looks on a background with the XYZ color 87.2338, 96.2216, 97.1940.



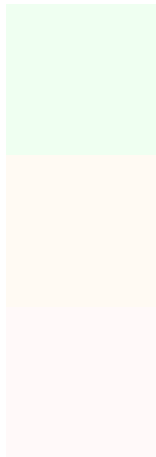
This preview shows how white text looks on a background with the XYZ color 87.2338, 96.2216,

97.140.

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

87.2338, 96.2216, 97.1940

Protanopia

91.6033, 96.1023, 98.5156

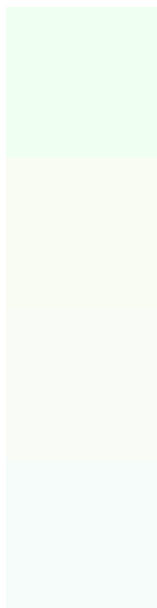
Deuteranopia

92.2146, 95.8509, 103.2634

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

87.2338, 96.2216, 97.1940

Protanomaly

89.9043, 96.1713, 97.8289

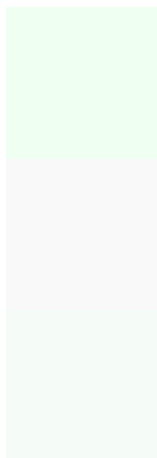
Deuteranomaly

90.1987, 95.7879, 100.9237

Tritanomaly

89.7219, 95.9354, 104.2310

Monochromacy



Original Color

87.2338, 96.2216, 97.1940

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

88.7879, 95.0607, 100.8577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2338, 96.2216, 97.1940 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(239, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 87.2338, 96.2216, 97.1940 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(239, 255, 241) }
```


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

```
.border{ border-color:rgb(239, 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(239, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2338, 96.2216, 97.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 241) }
```

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

```
.background{ background-color: rgb(239,  
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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