

# Converting Colors

XYZ(86.9748, 96.1091, 96.2321)

Have a look what the booklet for  
XYZ(86.9748, 96.1091, 96.2321)  
contains.

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# **Color**

**XYZ(87.0848, 96.1620,  
96.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFF0
RGB	239, 255, 240
RGB Percent	94%, 100%, 94%
CMY	0.0627, 0.0000, 0.0588
CMYK	0.06, 0.00, 0.06, 0.00
HSL	124°, 100%, 97%
HSV	124°, 6%, 100%
XYZ	87.0848, 96.1620, 96.4093
YIQ	248.5060, -4.7210, -8.0570

# Conversions

## Conversions Part 2

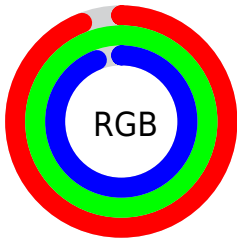
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 254, 255
Decimal	15728624
CIE <sub>Lab</sub>	98.50, -7.89, 5.36
CIE <sub>LCh</sub>	98, 9.537, 145.827
Yxy	96.1620, 0.3114, 0.3439
Android (android.graphics.Color)	4293918704 (0xFFEFFFF0)
YUV	248.5060, -4.1935, -8.3368
Hunter-Lab	98.0622, -13.0908, 10.3529

# Details

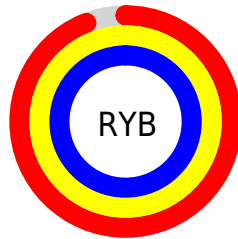
The XYZ color **87.0848, 96.1620, 96.4093** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.9964, 90.1497, 106.4231**, and the grayscale version is **89.6728, 94.3428, 102.7393**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3743, 53.9161, 53.2047** is the 20% darker color. If you saturate the color by 10%, you get **75.7534, 90.7041, 78.5458**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

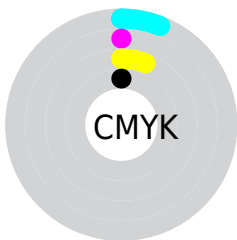
# Distribution



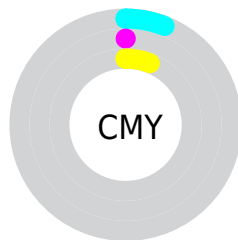
- Red (94%)
- Green (100%)
- Blue (94%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0848, 96.1620, 96.4093 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 87.0848, 96.1620, 96.4093 by changing the saturation by 10% instead.




 87.0848, 96.1620,  
96.4093

 87.0848, 96.1620,  
96.4093


506.8818,  
547.8783, 569.7661

 65.8937, 73.1025,  
72.7051


142.1814,  
155.8690, 158.2225

 48.4535, 54.0598,  
53.2445


176.8175,  
193.2852, 197.1685

 34.3989, 38.6494,  
37.6090


216.6661,  
236.2559, 242.0323

 23.3645, 26.4871,  
25.3799

262.0923,  
285.1652, 293.2324

 14.9851, 17.1884,  
16.1387

313.4617,  
340.3978, 351.1873

 8.8952, 10.3689,  
9.4669

371.1395,

 4.7294, 5.6442,

402.3379, 416.3155

4.9460

435.4911,  
471.3699, 489.0356

■ 2.1225, 2.6300,  
2.1574

■ 0.7014, 0.9418,  
0.6497

■ 87.0848, 96.1620,  
96.4093

■ 87.0848, 96.1620,  
96.4093

■ 75.7534, 90.7041,  
78.5458

95.0500, 100.0000,  
108.9000

■ 66.0350, 86.0258,  
63.1039

■ 57.8568, 82.0918,  
49.9807

■ 51.1398, 78.8637,  
39.0643

■ 45.7978, 76.2997,  
30.2335

■ 41.7354, 74.3535,  
23.3556

■ 38.8453, 72.9729,  
18.2823

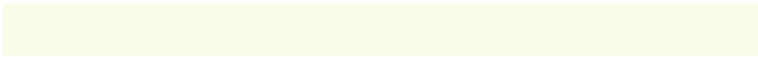
■ 37.0024, 72.0970,  
14.8446

■ 36.0528, 71.6509,  
12.8410

# Harmonies

## Analogous

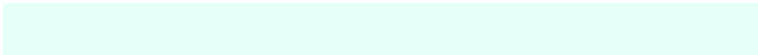
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1100, 96.1620, 91.6297



87.0848, 96.1620, 96.4093



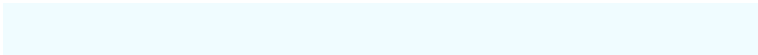
86.2155, 96.1620, 103.6037

# Triad

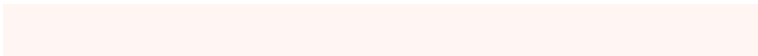
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0848, 96.1620, 96.4093



91.0141, 96.1620, 120.5805



96.2521, 96.1620, 98.2309

# Complementary

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



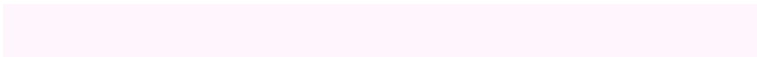
87.0848, 96.1620, 96.4093



89.9964, 90.1497, 106.4231

# 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.



96.7864, 96.1620, 105.8122



87.0848, 96.1620, 96.4093



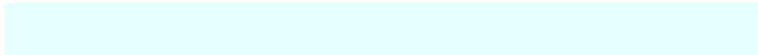
93.7271, 96.1620, 118.9664

# Square

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



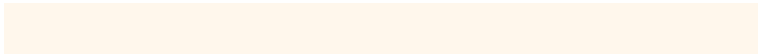
87.0848, 96.1620, 96.4093



88.4550, 96.1620, 117.7681



95.8536, 96.1620, 113.4615



94.4079, 96.1620, 92.6437

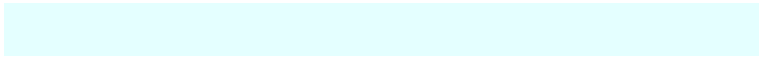


# Rectangle

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



87.0848, 96.1620, 96.4093



86.3953, 96.1620, 108.8978



95.8536, 96.1620, 113.4615



96.5925, 96.1620, 100.6194

# Sweetspot

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



87.0856, 96.1624, 96.4108



92.4382, 98.7414, 104.8095



92.2866, 98.8607, 95.8807



19.8129, 21.1479, 22.4764



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.



87.0856, 96.1624, 96.4108



85.0112, 95.1630, 93.1497



88.2695, 96.6360, 102.6453



17.8176, 20.1866, 19.3425



18.7515, 37.3972, 6.5765



1.8412, 3.6474, 0.7214



# Inverse Universe

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



89.9964, 90.1497, 106.4231



88.6793, 87.5860, 105.7668



88.7724, 89.6602, 99.9779



18.7407, 18.2796, 22.5179



29.7153, 14.3754, 44.0125



2.9075, 1.4054, 4.3604



# Previews

## White Background



This preview shows how the XYZ color 87.0848, 96.1620, 96.4093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

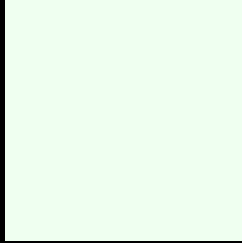
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.0848, 96.1620, 96.4093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

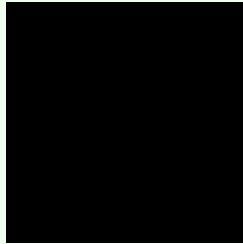
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

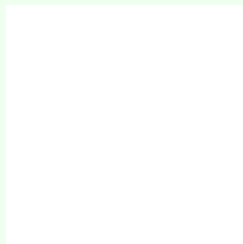
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.0848, 96.1620, 96.4093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.0848, 96.1620, 96.4093.



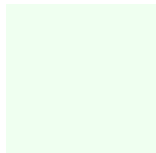
This preview shows how white text looks on a background with the XYZ color 87.0848, 96.1620,

96.493.

# Color Blindness Simulation

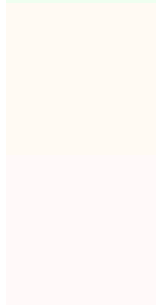
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

87.0848, 96.1620, 96.4093



### Protanopia

91.6033, 96.1023, 98.5156

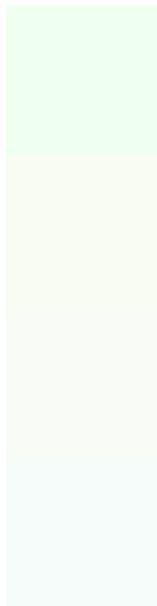
### Deuteranopia

92.2146, 95.8509, 103.2634

## **Tritanopia**

91.3025, 95.7310, 108.2735

# Trichromacy



## Original Color

87.0848, 96.1620, 96.4093

## Protanomaly

89.9043, 96.1713, 97.8289

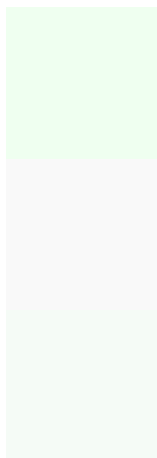
## Deuteranomaly

90.1987, 95.7879, 100.9237

## Tritanomaly

89.7219, 95.9354, 104.2310

# Monochromacy



## Original Color

87.0848, 96.1620, 96.4093

## 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 87.0848, 96.1620, 96.4093 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 87.0848, 96.1620, 96.4093 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, 240) }
```



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

```
.border{ border-color:rgb(239, 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(239, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.0848, 96.1620, 96.4093 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, 240) }
```

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

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