

# Converting Colors

XYZ(87.7691, 96.6061, 92.3164)

Have a look what the booklet for  
XYZ(87.7691, 96.6061, 92.3164)  
contains.

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# Color

**XYZ(87.7175, 96.5728,  
92.6145)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | F3FFE8                     |
| RGB           | 243, 255, 235              |
| RGB Percent   | 95%, 100%, 92%             |
| CMY           | 0.0471, 0.0000, 0.0784     |
| CMYK          | 0.05, 0.00, 0.08, 0.00     |
| HSL           | 96°, 100%, 96%             |
| HSV           | 96°, 8%, 100%              |
| XYZ           | 87.7175, 96.5728, 92.6145  |
| YIQ           | 249.1320, -0.7320, -8.7640 |

# Conversions

## Conversions Part 2

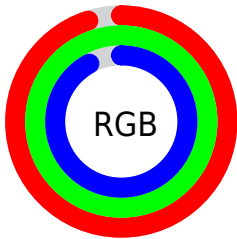
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 235, 255, 247                 |
| Decimal                             | 15990763                      |
| CIE Lab                             | 98.66, -7.42, 8.19            |
| CIE LCh                             | 99, 11.052, 132.168           |
| Yxy                                 | 96.5728, 0.3168,<br>0.3488    |
| Android<br>(android.graphics.Color) | 4294180843<br>(0xFFFF3FFEB)   |
| YUV                                 | 249.1320, -6.9671,<br>-5.3778 |
| Hunter-Lab                          | 98.2715, -12.6452,<br>12.9130 |

# Details

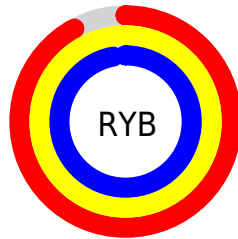
The XYZ color **87.7175, 96.5728, 92.6145** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.1169, 86.4120, 106.7481**, and the grayscale version is **90.2064, 94.9041, 103.3506**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8243, 54.2076, 50.5376** is the 20% darker color. If you saturate the color by 10%, you get **79.2312, 92.5936, 74.3444**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

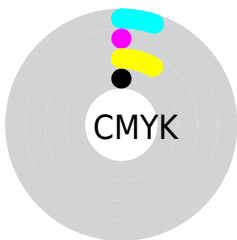
# Distribution



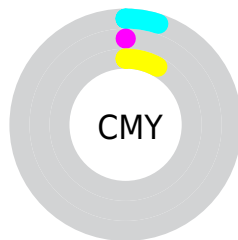
- Red (95%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7175, 96.5728, 92.6145 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 87.7175, 96.5728, 92.6145 by changing the saturation by 10% instead.



87.7175, 96.5728,  
92.6145

87.7175, 96.5728,  
92.6145

508.9269,  
549.1880, 557.2876

66.4191, 73.4447,  
69.5653

143.0583,  
156.4357, 152.9319

48.8817, 54.3397,  
50.6976

177.8315,  
193.9393, 191.0371

34.7398, 38.8733,  
35.5929

217.8270,  
237.0035, 234.9980

23.6281, 26.6612,  
23.8328

263.4102,  
286.0128, 285.2332

15.1812, 17.3189,  
14.9986

314.9465,  
341.3515, 342.1612

9.0338, 10.4621,  
8.6718

372.8011,

4.8205, 5.7064,

403.4040, 406.2006

4.4338

437.3394,  
472.5547, 477.7699

■ 2.1760, 2.6674,  
1.8662

■ 0.7301, 0.9607,  
0.4711

■ 87.7175, 96.5728,  
92.6145

■ 87.7175, 96.5728,  
92.6145

■ 79.2312, 92.5936,  
74.3444

95.0500, 100.0000,  
108.9000

■ 71.6793, 89.0376,  
58.7565

■ 65.0275, 85.8900,  
45.7259

■ 59.2385, 83.1345,  
35.1154

■ 54.2717, 80.7535,  
26.7753

■ 50.0832, 78.7279,  
20.5394

■ 46.6237, 77.0366,  
16.2183

■ 43.8370, 75.6552,  
13.5889

■ 41.6515, 74.5537,  
12.3530

# Harmonies

## Analogous

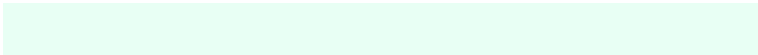
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4977, 96.5728, 88.8371



87.7175, 96.5728, 92.6145



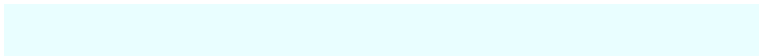
86.0515, 96.5728, 99.8429

# Triad

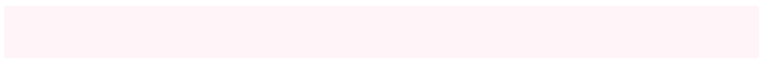
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7175, 96.5728, 92.6145



89.9168, 96.5728, 122.8489



97.9415, 96.5728, 101.4777

# Complementary

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



87.7175, 96.5728, 92.6145



86.1169, 86.4120, 106.7481

# 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.



97.7772, 96.5728, 110.6447



87.7175, 96.5728, 92.6145



93.0936, 96.5728, 123.3499

# Square

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



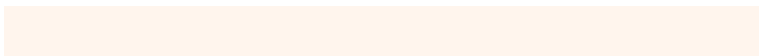
87.7175, 96.5728, 92.6145



87.3008, 96.5728, 117.4401



95.9857, 96.5728, 118.7714



96.4296, 96.5728, 93.7512



# Rectangle

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



87.7175, 96.5728, 92.6145



85.7726, 96.5728, 105.8200



95.9857, 96.5728, 118.7714



98.0815, 96.5728, 104.4855

# Sweetspot

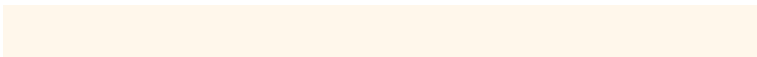
The Sweet Spot groups the original color and five complimentary colors.



87.7183, 96.5732, 92.6160



93.1228, 99.1001, 104.5804



89.3948, 93.5766, 91.9492



19.9524, 21.2210, 22.4297



0.0000, 0.0000, 0.0000

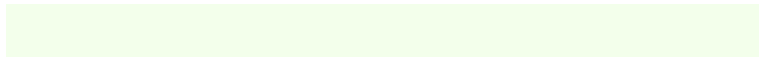


20.3446, 21.4041, 23.3091



# Same Dimension

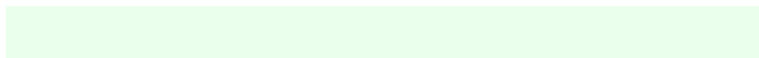
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7183, 96.5732, 92.6160



86.6868, 96.0903, 90.3596



85.2592, 95.2776, 93.7638



18.4592, 20.5226, 19.1327



21.7059, 38.9279, 6.3698



2.2327, 3.8517, 0.6258



# Inverse Universe

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



86.1169, 86.4120, 106.7481



84.8636, 84.5216, 106.4493



88.7317, 87.7909, 105.4760



18.0485, 17.9167, 22.7570



16.4687, 7.4004, 49.9950



1.7269, 0.7842, 4.8736



# Previews

## White Background



This preview shows how the XYZ color 87.7175, 96.5728, 92.6145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

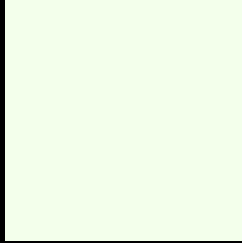
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.7175, 96.5728, 92.6145 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

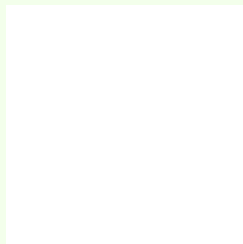
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.7175, 96.5728, 92.6145

## Background



This preview shows how black text looks on a background with the XYZ color 87.7175, 96.5728, 92.6145.



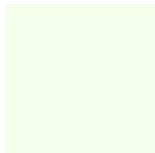
This preview shows how white text looks on a background with the XYZ color 87.7175, 96.5728,

92.645.

# 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

87.7175, 96.5728, 92.6145



### Protanopia

91.9148, 96.7254, 98.6195

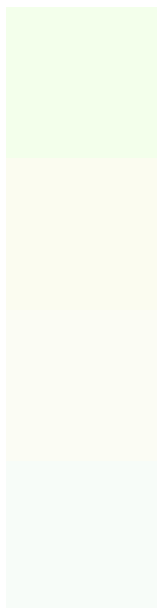
### Deuteranopia

92.5245, 96.4708, 103.3667

## Tritanopia

91.9715, 96.5384, 108.3941

# Trichromacy



## Original Color

87.7175, 96.5728, 92.6145

## Protanomaly

90.3222, 96.4213, 96.2888

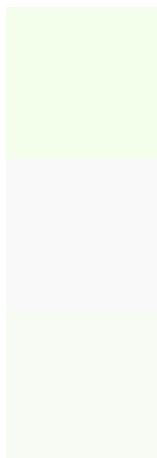
## Deuteranomaly

90.9232, 96.6617, 99.4534

## Tritanomaly

90.1115, 96.1723, 102.6207

# Monochromacy



## Original Color

87.7175, 96.5728, 92.6145

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.1841, 95.3002, 99.2822

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.7175, 96.5728, 92.6145 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(243, 255, 235) looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 235)  
}
```

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(243, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 87.7175, 96.5728, 92.6145 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(243, 255, 235) }
```



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

```
.border{ border-color:rgb(243, 255, 235) }
```

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

Here you see how a box with a 4 pixel rgb(243, 255, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.7175, 96.5728, 92.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 235) }
```

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

```
.background{ background-color: rgb(243,  
255, 235) }
```

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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