

Converting Colors

XYZ(87.6496, 93.2350, 92.8325)

Have a look what the booklet for
XYZ(87.6496, 93.2350, 92.8325)
contains.

XYZ(87.7746, 93.3307, 92.7453)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(87.7746, 93.3307,
92.7453)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F8EC
RGB	249, 248, 236
RGB Percent	98%, 97%, 93%
CMY	0.0235, 0.0274, 0.0745
CMYK	0.00, 0.00, 0.05, 0.02
HSL	55°, 52%, 95%
HSV	55°, 5%, 98%
XYZ	87.7746, 93.3307, 92.7453
YIQ	246.9310, 4.4480, -3.5200

Conversions

Conversions Part 2

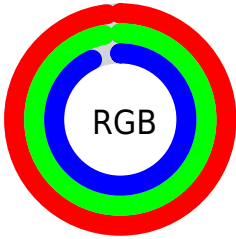
Format	Color
R_{YB}	237, 249, 236
Decimal	16382188
CIE Lab	97.36, -1.72, 5.86
CIE LCh	97, 6.112, 106.345
Yxy	93.3307, 0.3205, 0.3408
Android (android.graphics.Color)	4294572268 (0xFFFF9F8EC)
YUV	246.9310, -5.3890, 1.8145
Hunter-Lab	96.6078, -6.8846, 10.7060

Details

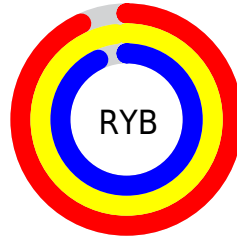
The XYZ color 87.7746, 93.3307, 92.7453 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.9750, 85.2393, 101.7557, and the grayscale version is 88.3942, 92.9975, 101.2743.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.0802, 52.3320, 50.6943 is the 20% darker color. If you saturate the color by 10%, you get 83.8242, 90.8207, 74.8070, and if you desaturate by 10%, it is 91.2756, 95.6765, 108.2644.

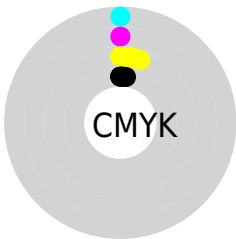
Distribution



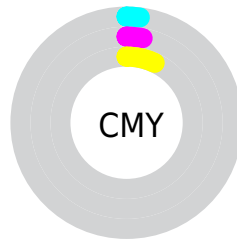
- Red (98%)
- Green (97%)
- Blue (93%)



- Red (93%)
- Yellow (98%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)



- Cyan (2%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7746, 93.3307, 92.7453 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 87.7746, 93.3307, 92.7453 by changing the saturation by 10% instead.

87.7746, 93.3307,
92.7453

87.7746, 93.3307,
92.7453

509.1113,
538.8070, 557.7202

66.4666, 70.7464,
69.6733

143.1374,
151.9564, 153.1146

48.9204, 52.1353,
50.7851

177.9230,
188.7665, 191.2490

34.7706, 37.1129,
35.6621

217.9317,
231.0875, 235.2413

23.6519, 25.2949,
23.8857

263.5291,
279.3035, 285.5101

15.1989, 16.2969,
15.0374

315.0803,
333.7991, 342.4738

9.0463, 9.7345,
8.6988

372.9509,

4.8288, 5.2233,

394.9586, 406.5510

4.4511

437.5061,
463.1664, 478.1603

■ 2.1809, 2.3789,
1.8759

■ 0.7326, 0.8150,
0.4774

■ 87.7746, 93.3307,
92.7453

■ 87.7746, 93.3307,
92.7453

■ 83.8242, 90.8207,
74.8070

■ 91.2756, 95.6765,
108.2644

■ 80.3609, 88.5121,
59.4159

■ 91.8705, 96.8664,
108.4627

■ 77.3650, 86.4000,
46.4571

■ 92.4715, 98.0683,
108.6631

■ 74.8127, 84.4747,
35.8046

■ 92.8773, 98.8799,
108.7983

■ 72.6778, 82.7258,
27.3212

■ 70.9315, 81.1418,
20.8551

■ 69.5412, 79.7095,
16.2348

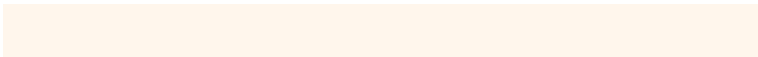
■ 68.4689, 78.4138,
13.2606

■ 67.6679, 77.2360,
11.6862

Harmonies

Analogous

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



89.4962, 93.3307, 92.6364



87.7746, 93.3307, 92.7453



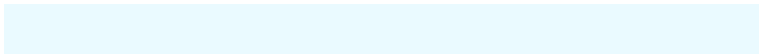
86.3215, 93.3307, 95.1815

Triad

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



87.7746, 93.3307, 92.7453



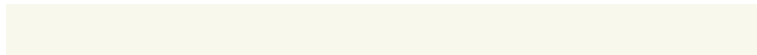
86.4300, 93.3307, 108.6756



91.9820, 93.3307, 103.8885

Complementary

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



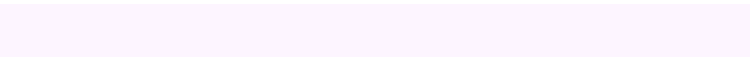
87.7746, 93.3307, 92.7453



81.9750, 85.2393, 101.7557

Split Complementary

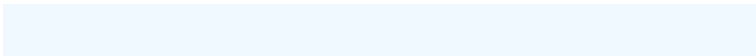
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1382, 93.3307, 108.3451



87.7746, 93.3307, 92.7453



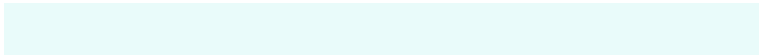
87.9245, 93.3307, 111.1691

Square

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



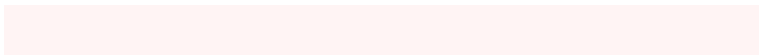
87.7746, 93.3307, 92.7453



85.5521, 93.3307, 104.3276



89.6481, 93.3307, 111.0462



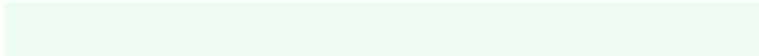
91.9406, 93.3307, 98.9621

Rectangle

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



87.7746, 93.3307, 92.7453



85.6939, 93.3307, 97.8441



89.6481, 93.3307, 111.0462



91.7920, 93.3307, 105.4944

Sweetspot

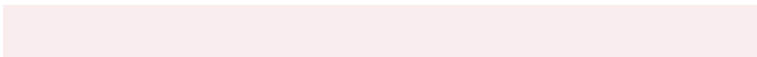
The Sweet Spot groups the original color and five complimentary colors.



87.7772, 93.3348, 92.7473



94.1152, 99.4270, 104.5912



84.3618, 86.2513, 92.3878



20.1543, 21.2875, 22.4319



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.



87.7772, 93.3348, 92.7473



92.3112, 98.3085, 96.3147



86.1809, 92.9672, 92.7605



18.8572, 20.1076, 19.4724



36.0976, 41.1519, 6.0406



3.3761, 3.8771, 0.5704

Inverse Universe

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



81.9750, 85.2393, 101.7557



85.3006, 88.5271, 107.1994



83.5136, 85.6060, 101.7454



17.2745, 17.8994, 21.9297



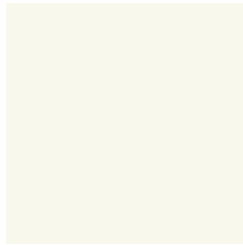
9.3158, 3.9872, 48.2522



0.8985, 0.4408, 4.4809

Previews

White Background



This preview shows how the XYZ color 87.7746, 93.3307, 92.7453 looks on a white background.

Color Contrast Check

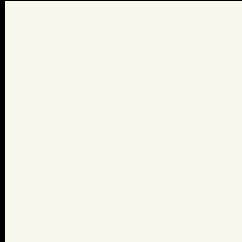
Large Text (above 18pt) WCAG AA × Fail

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 87.7746, 93.3307, 92.7453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

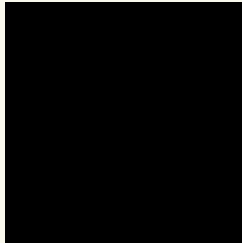
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7746, 93.3307, 92.7453

Background



This preview shows how black text looks on a background with the XYZ color 87.7746, 93.3307, 92.7453.



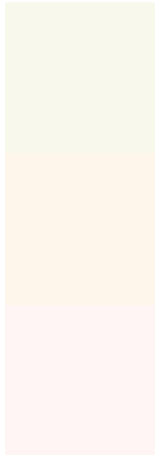
This preview shows how white text looks on a background with the XYZ color 87.7746, 93.3307,

92.7453.

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

87.7746, 93.3307, 92.7453

Protanopia

89.1912, 93.1697, 91.8799

Deuteranopia

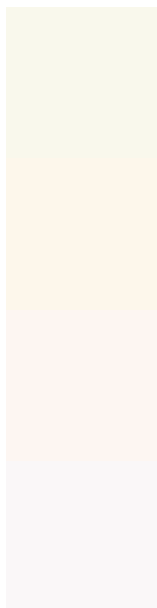
90.3738, 93.1574, 99.6042



Tritanopia

90.4301, 93.4555, 107.8803

Trichromacy



Original Color

87.7746, 93.3307, 92.7453

Protanomaly

88.7642, 93.4023, 91.9473

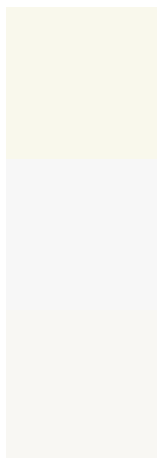
Deuteranomaly

89.4908, 93.2050, 97.2781

Tritanomaly

89.6284, 93.6228, 102.1540

Monochromacy



Original Color

87.7746, 93.3307, 92.7453

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.1498, 92.9491, 98.0890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7746, 93.3307, 92.7453 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(249, 248, 236) looks like.

```
.text, #text, p{  
    color:rgb(249, 248, 236)  
}
```

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(249, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 248, 236) }
```

Border

The CSS property to change the border of an element to XYZ 87.7746, 93.3307, 92.7453 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(249, 248, 236) }
```


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

```
.border{ border-color:rgb(249, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 248, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 248, 236);  
box-shadow:4px 4px 4px 4px rgb(249, 248,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7746, 93.3307, 92.7453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 248, 236) }
```

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

```
.background{ background-color: rgb(249,  
248, 236) }
```

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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