

Converting Colors

XYZ(82.9308, 92.5643, 90.9475)

Have a look what the booklet for
XYZ(82.9308, 92.5643, 90.9475)
contains.

XYZ(83.1227, 92.8276, 90.6273)	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(83.1227, 92.8276,
90.6273)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FCE9
RGB	233, 252, 233
RGB Percent	91%, 99%, 91%
CMY	0.0863, 0.0117, 0.0863
CMYK	0.08, 0.00, 0.08, 0.01
HSL	120°, 76%, 95%
HSV	120°, 8%, 99%
XYZ	83.1227, 92.8276, 90.6273
YIQ	244.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

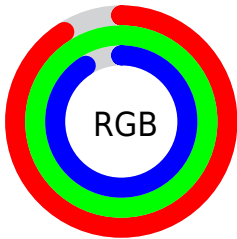
Format	Color
R_{YB}	233, 252, 252
Decimal	15334633
CIE _{Lab}	97.16, -9.60, 6.97
CIE _{LCh}	97, 11.861, 144.026
Yxy	92.8276, 0.3118, 0.3482
Android (android.graphics.Color)	4293524713 (0xFFE9FCE9)
YUV	244.1530, -5.4984, -9.7812
Hunter-Lab	96.3471, -14.6079, 11.6728

Details

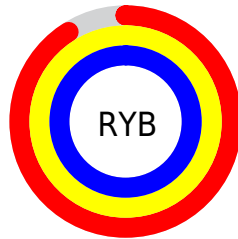
The XYZ color **83.1227, 92.8276, 90.6273** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8579, 86.0040, 104.1225**, and the grayscale version is **86.1593, 90.6463, 98.7139**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5824, 51.5516, 49.1430** is the 20% darker color. If you saturate the color by 10%, you get **72.1295, 87.5497, 72.6437**, and if you desaturate by 10%, it is **94.1022, 98.1043, 108.5841**.

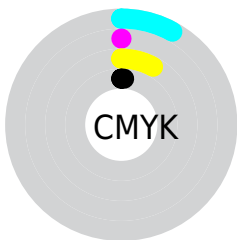
Distribution



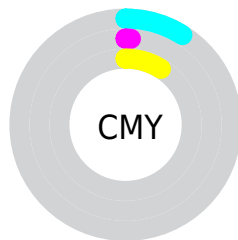
- Red (91%)
- Green (99%)
- Blue (91%)



- Red (91%)
- Yellow (99%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)



- Cyan (9%)
- Magenta (1%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.1227, 92.8276, 90.6273 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 83.1227, 92.8276, 90.6273 by changing the saturation by 10% instead.


 83.1227, 92.8276,
90.6273

 83.1227, 92.8276,
90.6273

493.9731,
537.1866, 550.6920

 62.6086, 70.3282,
67.9244


136.6749,
151.2599, 150.1526

 45.7821, 51.7942,
49.3699


170.4438,
187.9616, 187.8120

 32.2778, 36.8410,
34.5453


209.3617,
230.1662, 231.2940

 21.7304, 25.0844,
23.0321

253.7939,
278.2581, 281.0172

 13.7744, 16.1400,
14.4117

304.1057,
332.6218, 337.4000

 8.0446, 9.6233,
8.2656

360.6627,

 4.1755, 5.1499,

393.6414, 400.8611

4.1751

423.8300,
461.7016, 471.8189

■ 1.8019, 2.3355,
1.7219

■ 0.5188, 0.7924,
0.3757

■ 83.1227, 92.8276,
90.6273

■ 83.1227, 92.8276,
90.6273

■ 72.1295, 87.5497,
72.6437

■ 94.1022, 98.1043,
108.5841

■ 62.7515, 83.0450,
57.3043

■ 54.9151, 79.2808,
44.4863

■ 48.5377, 76.2174,
34.0550

■ 43.5293, 73.8116,
25.8627

■ 39.7897, 72.0153,
19.7459

■ 37.2052, 70.7738,
15.5185

■ 35.6419, 70.0229,
12.9613

■ 34.9237, 69.6779,
11.7865

Harmonies

Analogous

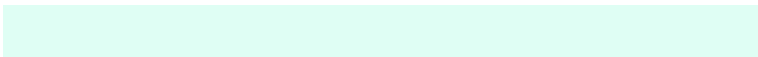
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6351, 92.8276, 85.1544



83.1227, 92.8276, 90.6273



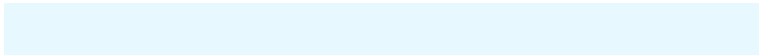
81.9819, 92.8276, 99.1671

Triad

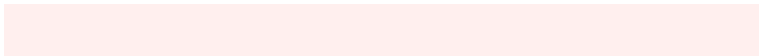
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1227, 92.8276, 90.6273



87.5617, 92.8276, 120.5380



94.2403, 92.8276, 93.7523

Complementary

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



83.1227, 92.8276, 90.6273



86.8579, 86.0040, 104.1225

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.



94.7875, 92.8276, 103.0041



83.1227, 92.8276, 90.6273



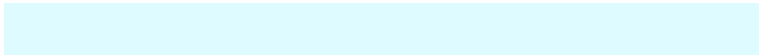
90.8765, 92.8276, 118.8623

Square

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



83.1227, 92.8276, 90.6273



84.5027, 92.8276, 116.7376



93.5420, 92.8276, 112.2930



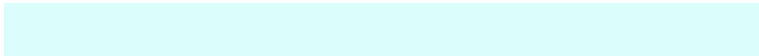
92.0650, 92.8276, 86.8772

Rectangle

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



83.1227, 92.8276, 90.6273



82.1314, 92.8276, 105.6073



93.5420, 92.8276, 112.2930



94.6230, 92.8276, 96.6713

Sweetspot

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



83.1253, 92.8316, 90.6293



92.3882, 98.7214, 104.5461



89.6673, 96.2041, 90.9354



19.8027, 21.1438, 22.4227



0.0000, 0.0000, 0.0000



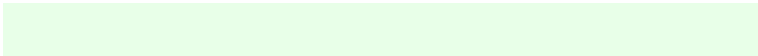
20.3446, 21.4041, 23.3091

Same Dimension

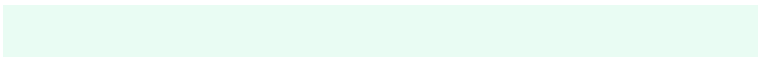
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1253, 92.8316, 90.6293



83.6276, 94.5132, 90.2165



84.5198, 93.3894, 97.9729



17.0175, 19.3093, 18.2926



18.1331, 36.2663, 6.0444



1.6794, 3.3589, 0.5598

Inverse Universe

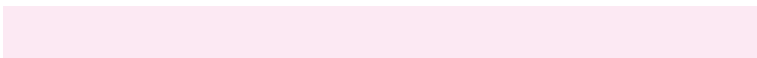
The Inverse Universe completely reimagines the original color for something new.



86.8579, 86.0040, 104.1225



88.1607, 86.2214, 106.6034



85.3891, 85.4164, 96.3881



17.9931, 17.5246, 21.8195



30.0646, 14.4415, 49.1758



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 83.1227, 92.8276, 90.6273 looks on a white background.

Color Contrast Check

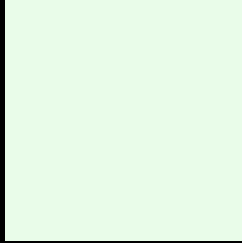
Large Text (above 18pt) WCAG AA × Fail

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 83.1227, 92.8276, 90.6273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

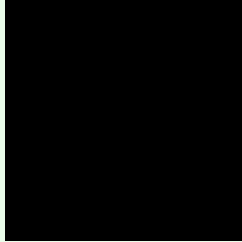
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

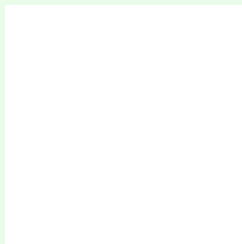
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1227, 92.8276, 90.6273

Background



This preview shows how black text looks on a background with the XYZ color 83.1227, 92.8276, 90.6273.



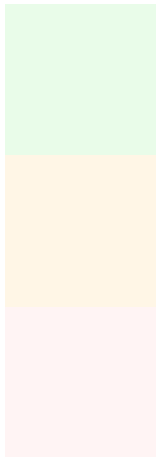
This preview shows how white text looks on a background with the XYZ color 83.1227, 92.8276,

90.6273.

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

83.1227, 92.8276, 90.6273

Protanopia

88.4787, 92.8847, 88.1281

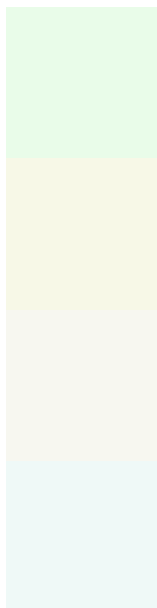
Deuteranopia

89.9198, 92.4930, 98.7016

Tritanopia

88.2729, 92.7962, 107.8667

Trichromacy



Original Color

83.1227, 92.8276, 90.6273

Protanomaly

86.3490, 92.6785, 88.9390

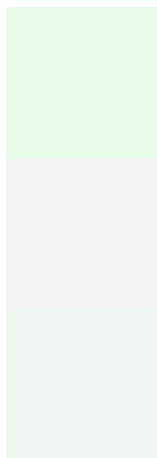
Deuteranomaly

87.3467, 92.5870, 95.7055

Tritanomaly

86.2608, 92.8175, 101.3648

Monochromacy



Original Color

83.1227, 92.8276, 90.6273

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.9241, 91.3381, 95.5921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1227, 92.8276, 90.6273 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(233, 252, 233)` looks like.

```
.text, #text, p{  
    color:rgb(233, 252, 233)  
}
```

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(233, 252, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 252, 233) }
```

Border

The CSS property to change the border of an element to XYZ 83.1227, 92.8276, 90.6273 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(233, 252, 233) }
```


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

```
.border{ border-color:rgb(233, 252, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 252, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 252, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 252, 233);  
box-shadow:4px 4px 4px 4px rgb(233, 252,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1227, 92.8276, 90.6273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 252, 233) }
```

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

```
.background{ background-color: rgb(233,  
252, 233) }
```

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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