

Converting Colors

XYZ(87.1196, 92.7737,
103.7606)

Have a look what the booklet for
XYZ(87.1196, 92.7737, 103.7606)
contains.

XYZ(87.0983, 92.7377, 103.7521)	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(87.0983, 92.7377,
103.7521)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F8FA
RGB	241, 248, 250
RGB Percent	95%, 97%, 98%
CMY	0.0549, 0.0274, 0.0196
CMYK	0.04, 0.01, 0.00, 0.02
HSL	193°, 47%, 96%
HSV	193°, 4%, 98%
XYZ	87.0983, 92.7377, 103.7521
YIQ	246.1350, -4.8140, -0.8620

Conversions

Conversions Part 2

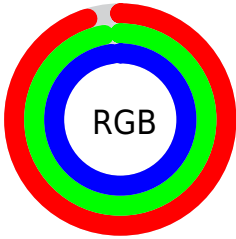
Format	Color
R _Y B	241, 245, 250
Decimal	15857914
CIE Lab	97.12, -1.94, -1.77
CIE LCh	97, 2.625, 222.450
Yxy	92.7377, 0.3071, 0.3270
Android (android.graphics.Color)	4294047994 (0xFFFF1F8FA)
YUV	246.1350, 1.9054, -4.5034
Hunter-Lab	96.3004, -7.0825, 3.5325

Details

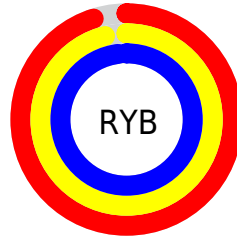
The XYZ color **87.0983, 92.7377, 103.7521** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.3523, 90.7750, 96.1377**, and the grayscale version is **87.6967, 92.2638, 100.4752**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5948, 51.9086, 58.4971** is the 20% darker color. If you saturate the color by 10%, you get **77.4646, 85.2807, 102.8219**, and if you desaturate by 10%, it is **93.7948, 98.7606, 104.5631**.

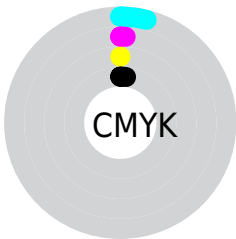
Distribution



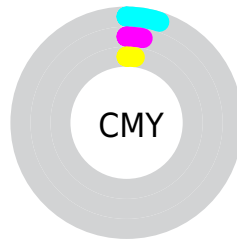
- Red (95%)
- Green (97%)
- Blue (98%)



- Red (95%)
- Yellow (96%)
- Blue (98%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (5%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0983, 92.7377, 103.7521 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 87.0983, 92.7377, 103.7521 by changing the saturation by 10% instead.

87.0983, 92.7377,
103.7521

87.0983, 92.7377,
103.7521

506.9255,
536.8968, 593.5055

65.9049, 70.2535,
78.8035

142.2001,
151.1354, 168.4006

48.4626, 51.7332,
58.2139

176.8392,
187.8177, 208.9376

34.4061, 36.7925,
41.5648

216.6909,
230.0015, 255.5078

23.3701, 25.0469,
28.4376

262.1205,
278.0712, 308.5297

14.9893, 16.1120,
18.4139

313.4934,
332.4112, 368.4219

8.8981, 9.6034,
11.0751

371.1750,

4.7314, 5.1368,

393.4059, 435.6029

6.0025

435.5306,
461.4396, 510.4913

■ 2.1236, 2.3278,
2.7778

■ 0.7020, 0.7883,
0.9823

■ 87.0983, 92.7377,
103.7521

■ 87.0983, 92.7377,
103.7521

■ 77.4646, 85.2807,
102.8219

■ 93.7948, 98.7606,
104.5631

■ 69.0020, 78.4992,
101.9590

■ 94.2556, 99.6822,
104.7167

■ 61.6621, 72.3702,
101.1628

■ 55.3900, 66.8646,
100.4307

■ 50.1260, 61.9511,
99.7598

■ 45.8043, 57.5950,
99.1467

■ 42.3509, 53.7576,
98.5880

■ 39.6802, 50.3939,
98.0795

■ 37.6879, 47.4496,
97.6162

Harmonies

Analogous

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



86.7618, 92.7377, 101.8570



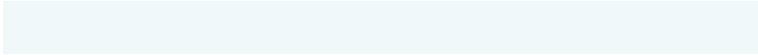
87.0983, 92.7377, 103.7521



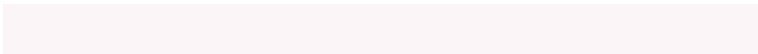
87.7159, 92.7377, 104.9124

Triad

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



87.0983, 92.7377, 103.7521



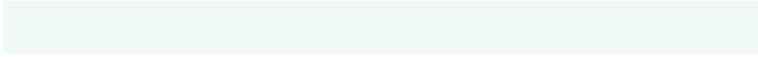
89.5085, 92.7377, 102.2098



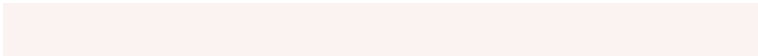
87.8379, 92.7377, 97.0470

Complementary

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



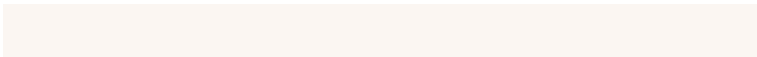
87.0983, 92.7377, 103.7521



87.3523, 90.7750, 96.1377

Split Complementary

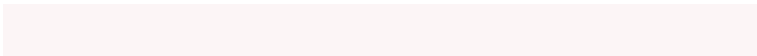
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5743, 92.7377, 97.1385



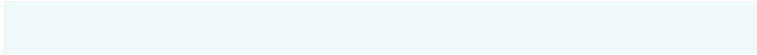
87.0983, 92.7377, 103.7521



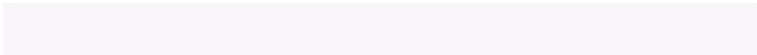
89.5416, 92.7377, 100.0993

Square

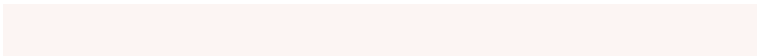
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0983, 92.7377, 103.7521



89.1086, 92.7377, 104.0134



89.1988, 92.7377, 98.2491



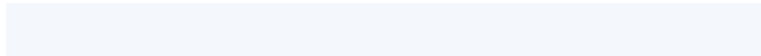
87.1872, 92.7377, 97.9975

Rectangle

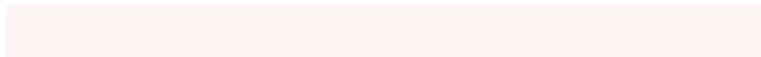
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0983, 92.7377, 103.7521



88.2053, 92.7377, 105.1034



89.1988, 92.7377, 98.2491



88.0836, 92.7377, 96.9573

Sweetspot

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



87.1009, 92.7417, 103.7541



93.9379, 99.1593, 108.7963



86.6327, 93.5415, 98.2450



20.1183, 21.2330, 23.2880



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

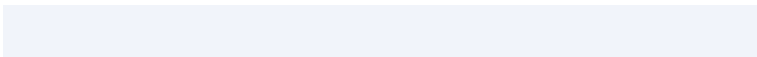
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1009, 92.7417, 103.7541



90.6791, 96.6817, 108.4899



85.7477, 90.0352, 103.3031



18.4186, 19.6867, 22.2144



19.5635, 24.4825, 51.6681



1.8895, 2.4227, 4.8112

Inverse Universe

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



87.8249, 90.0135, 101.5571



91.5198, 93.5190, 105.9371



88.7015, 93.4734, 96.5874



18.6222, 18.9234, 21.5958



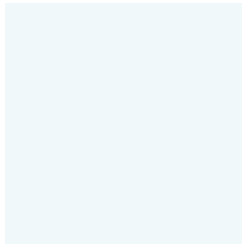
26.1668, 12.8824, 28.6503



2.4627, 1.2088, 2.8597

Previews

White Background



This preview shows how the XYZ color 87.0983, 92.7377, 103.7521 looks on a white background.

Color Contrast Check

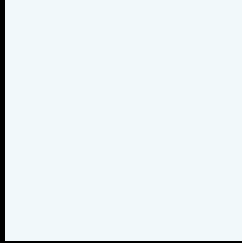
Large Text (above 18pt) WCAG AA × Fail

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 87.0983, 92.7377, 103.7521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

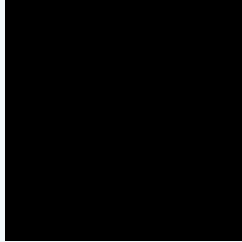
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

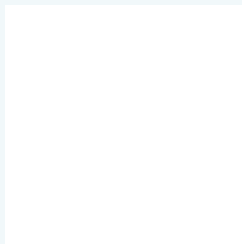
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.0983, 92.7377, 103.7521

Background



This preview shows how black text looks on a background with the XYZ color 87.0983, 92.7377, 103.7521.



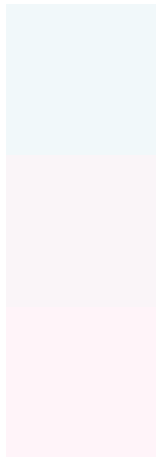
This preview shows how white text looks on a background with the XYZ color 87.0983, 92.7377, 103.7521.

103.7521.

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

87.0983, 92.7377, 103.7521

Protanopia

89.0200, 92.4061, 101.9512

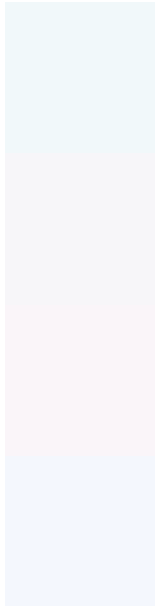
Deuteranopia

90.6896, 92.8009, 102.7550

Tritanopia

88.6620, 92.5440, 107.7975

Trichromacy



Original Color

87.0983, 92.7377, 103.7521

Protanomaly

88.4124, 92.5252, 102.8219

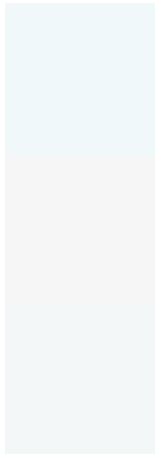
Deuteranomaly

89.1756, 92.4684, 102.7707

Tritanomaly

88.2986, 92.8465, 106.1958

Monochromacy



Original Color

87.0983, 92.7377, 103.7521

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3575, 92.4700, 101.2400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.0983, 92.7377, 103.7521 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(241, 248, 250)` looks like.

```
.text, #text, p{  
    color:rgb(241, 248, 250)  
}
```

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(241, 248, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 248, 250) }
```

Border

The CSS property to change the border of an element to XYZ 87.0983, 92.7377, 103.7521 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(241, 248, 250) }
```


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

```
.border{ border-color:rgb(241, 248, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 248, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 248, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 248, 250);  
box-shadow:4px 4px 4px 4px rgb(241, 248,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 87.0983, 92.7377, 103.7521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 248, 250) }
```

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

```
.background{ background-color: rgb(241,  
248, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor