

Converting Colors

XYZ(87.4885, 93.3962,
102.7531)

Have a look what the booklet for
XYZ(87.4885, 93.3962, 102.7531)
contains.

XYZ(87.5925, 93.4682, 103.0471)	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(87.5925, 93.4682,
103.0471)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F9F9
RGB	242, 249, 249
RGB Percent	95%, 98%, 98%
CMY	0.0510, 0.0235, 0.0235
CMYK	0.03, 0.00, 0.00, 0.02
HSL	180°, 37%, 96%
HSV	180°, 3%, 98%
XYZ	87.5925, 93.4682, 103.0471
YIQ	246.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

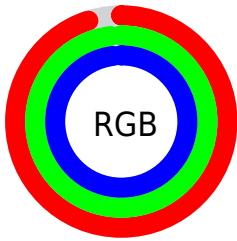
Format	Color
R _Y B	242, 246, 249
Decimal	15923705
CIE Lab	97.42, -2.30, -0.81
CIE LCh	97, 2.437, 199.514
Yxy	93.4682, 0.3083, 0.3290
Android (android.graphics.Color)	4294113785 (0xFFFF2F9F9)
YUV	246.9070, 1.0318, -4.3034
Hunter-Lab	96.6790, -7.4646, 4.4799

Details

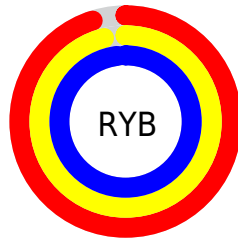
The XYZ color 87.5925, 93.4682, 103.0471 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.8495, 90.0572, 96.8142, and the grayscale version is 88.3291, 92.9291, 101.1998.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.9453, 52.4293, 57.9922 is the 20% darker color. If you saturate the color by 10%, you get 79.6197, 89.3609, 102.6640, and if you desaturate by 10%, it is 92.2189, 95.8556, 103.2774.

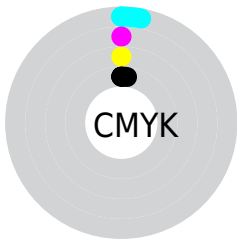
Distribution



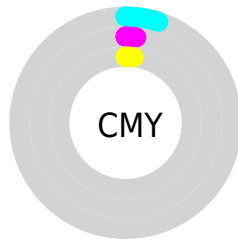
- Red (95%)
- Green (98%)
- Blue (98%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5925, 93.4682, 103.0471 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 87.5925, 93.4682, 103.0471 by changing the saturation by 10% instead.

87.5925, 93.4682,
103.0471

87.5925, 93.4682,
103.0471

508.5232,
539.2494, 591.2483

66.3153, 70.8607,
78.2167

142.8851,
152.1467, 167.4266

48.7971, 52.2285,
57.7345

177.6313,
188.9864, 207.8128

34.6724, 37.1873,
41.1820

217.5978,
231.3391, 254.2214

23.5760, 25.3525,
28.1405

263.1500,
279.5890, 307.0708

15.1424, 16.3399,
18.1916

314.6533,
334.1206, 366.7797

9.0063, 9.7650,
10.9168

372.4731,

4.8025, 5.2434,

395.3183, 433.7665

5.8975

436.9746,
463.5664, 508.4499

■ 2.1654, 2.3908,
2.7150

■ 0.7244, 0.8211,
0.9510

■ 87.5925, 93.4682,
103.0471

■ 87.5925, 93.4682,
103.0471

■ 79.6197, 89.3609,
102.6640

■ 92.2189, 95.8556,
103.2774

■ 72.7611, 85.8255,
102.3311

■ 92.2212, 95.8565,
103.2895

■ 66.9696, 82.8401,
102.0482

■ 92.2235, 95.8574,
103.3015

■ 62.1915, 80.3772,
101.8126

■ 92.2258, 95.8583,
103.3135

■ 58.3686, 78.4066,
101.6218

■ 92.2281, 95.8592,
103.3255

■ 55.4366, 76.8954,
101.4727

■ 92.2304, 95.8601,
103.3376

■ 53.3235, 75.8064,
101.3619

■ 92.2326, 95.8611,
103.3496

■ 51.9462, 75.0966,
101.2855

■ 92.2349, 95.8620,
103.3616

■ 51.2036, 74.7140,
101.2389

■ 92.2372, 95.8629,
103.3736

Harmonies

Analogous

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



87.5389, 93.4682, 101.0802



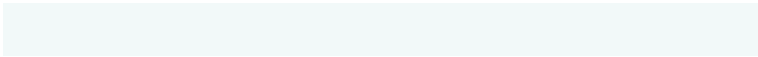
87.5925, 93.4682, 103.0471



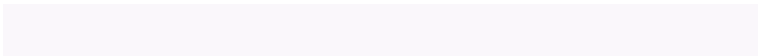
87.9790, 93.4682, 104.6920

Triad

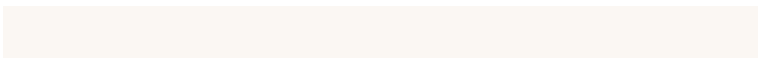
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5925, 93.4682, 103.0471



89.8529, 93.4682, 104.2611



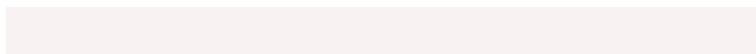
89.0807, 93.4682, 98.0757

Complementary

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



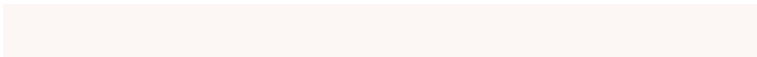
87.5925, 93.4682, 103.0471



86.8495, 90.0572, 96.8142

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.



89.7040, 93.4682, 98.9048



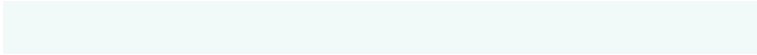
87.5925, 93.4682, 103.0471



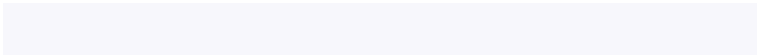
90.1513, 93.4682, 102.4649

Square

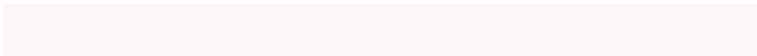
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5925, 93.4682, 103.0471



89.2832, 93.4682, 105.3992



90.0967, 93.4682, 100.5054



88.3957, 93.4682, 98.2270

Rectangle

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



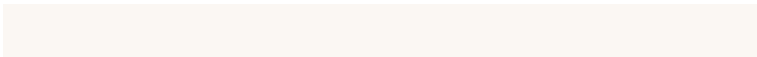
87.5925, 93.4682, 103.0471



88.3746, 93.4682, 105.3766



90.0967, 93.4682, 100.5054



89.3044, 93.4682, 98.2486

Sweetspot

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



87.5952, 93.4722, 103.0491



94.1178, 99.5195, 108.8551



86.5633, 93.0641, 97.4065



20.1549, 21.3063, 23.2999



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.



87.5952, 93.4722, 103.0491



92.2906, 98.5776, 108.7671



86.5587, 91.3983, 102.7068



18.7646, 20.1235, 22.2795



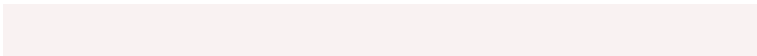
27.2739, 39.9226, 54.1790



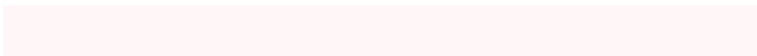
2.5262, 3.6976, 5.0186

Inverse Universe

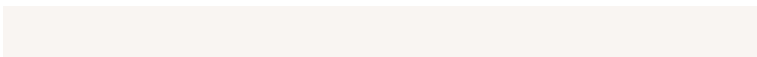
The Inverse Universe completely reimagines the original color for something new.



86.8495, 90.0572, 96.8142



91.4512, 94.7331, 101.7481



87.8659, 92.0909, 97.1500



18.5483, 19.1326, 20.4703



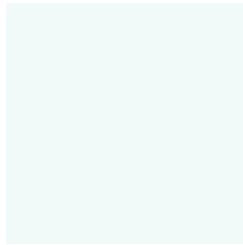
20.9125, 10.7807, 0.9819



1.9370, 0.9985, 0.0917

Previews

White Background



This preview shows how the XYZ color 87.5925, 93.4682, 103.0471 looks on a white background.

Color Contrast Check

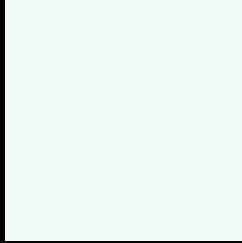
Large Text (above 18pt) WCAG AA × Fail

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 87.5925, 93.4682, 103.0471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

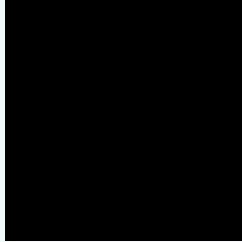
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

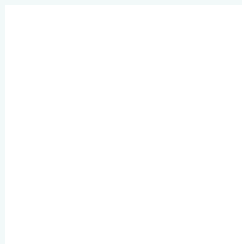
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.5925, 93.4682, 103.0471

Background



This preview shows how black text looks on a background with the XYZ color 87.5925, 93.4682, 103.0471.

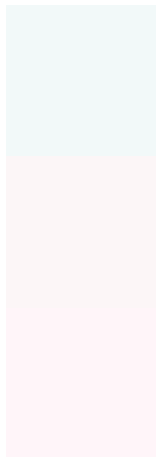


This preview shows how white text looks on a background with the XYZ color 87.5925, 93.4682,

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

87.5925, 93.4682, 103.0471

Protanopia

89.8892, 93.3224, 101.2710

Deuteranopia

90.9913, 93.4044, 102.8556

Tritanopia

89.3168, 93.3344, 107.9156

Trichromacy



Original Color

87.5925, 93.4682, 103.0471

Protanomaly

88.9154, 93.2553, 102.1207

Deuteranomaly

89.4790, 93.0751, 102.8718

Tritanomaly

88.9532, 93.6391, 106.3143

Monochromacy



Original Color

87.5925, 93.4682, 103.0471

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.1669, 93.3246, 102.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5925, 93.4682, 103.0471 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(242, 249, 249) looks like.

```
.text, #text, p{  
    color:rgb(242, 249, 249)  
}
```

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(242, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 249, 249) }
```

Border

The CSS property to change the border of an element to XYZ 87.5925, 93.4682, 103.0471 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(242, 249, 249) }
```


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

```
.border{ border-color:rgb(242, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(242, 249,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5925, 93.4682, 103.0471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 249, 249) }
```

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

```
.background{ background-color: rgb(242,  
249, 249) }
```

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