

Converting Colors

XYZ(101.7108, 100.0000,
165.9750)

Have a look what the booklet for
XYZ(101.7108, 100.0000, 165.9750)
contains.

XYZ(90.5934, 95.3654, 108.2403)	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(90.5934, 95.3654,
108.2403)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FAFF
RGB	247, 250, 255
RGB Percent	97%, 98%, 100%
CMY	0.0314, 0.0196, 0.0000
CMYK	0.03, 0.02, 0.00, 0.00
HSL	217°, 100%, 98%
HSV	217°, 3%, 100%
XYZ	90.5934, 95.3654, 108.2403
YIQ	249.6730, -3.3930, 0.9190

Conversions

Conversions Part 2

Format	Color
R_{YB}	247, 249, 255
Decimal	16251647
CIE _{Lab}	98.18, -0.09, -2.74
CIE _{LCh}	98, 2.746, 268.166
Yxy	95.3654, 0.3079, 0.3242
Android (android.graphics.Color)	4294441727 (0xFF7FAFF)
YUV	249.6730, 2.6262, -2.3442
Hunter-Lab	97.6552, -5.3046, 2.6421

Details

The XYZ color 90.5934, 95.3654, 108.2403 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.8379, 97.5938, 101.9416, and the grayscale version is 90.5798, 95.2970, 103.7784.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.9707, 53.7372, 61.1119 is the 20% darker color. If you saturate the color by 10%, you get 77.4684, 81.5642, 106.2682, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

Distribution



- Red (97%)
- Green (98%)
- Blue (100%)



- Red (97%)
- Yellow (98%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 90.5934, 95.3654, 108.2403 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 90.5934, 95.3654, 108.2403 by changing the saturation by 10% instead.


 90.5934, 95.3654,
108.2403

 90.5934, 95.3654,
108.2403


518.1684,
545.3341, 607.7719

 68.8108, 72.4391,
82.5448


147.0365,
154.7693, 174.5863

 50.8337, 53.5175,
61.2763


182.4278,
192.0158, 216.0739

 36.2968, 38.2160,
44.0162


223.0860,
234.8044, 263.6626

 24.8347, 26.1504,
30.3459

269.3765,
283.5196, 317.7710

 16.0820, 16.9362,
19.8470

321.6646,
338.5458, 378.8176

 9.6734, 10.1890,
12.1009

380.3157,

 5.2436, 5.5245,

400.2673, 447.2209

6.6891

445.6952,
469.0686, 523.3995

■ 2.4271, 2.5581,
3.1929

■ 0.8586, 0.9057,
1.1940

■ 90.5934, 95.3654,
108.2403

■ 90.5934, 95.3654,
108.2403

■ 77.4684, 81.5642,
106.2682

95.0500, 100.0000,
108.9000

■ 65.9286, 69.1824,
104.4865

■ 55.9128, 58.1752,
102.8898

■ 47.3530, 48.4911,
101.4717

■ 40.1755, 40.0748,
100.2255

■ 34.2998, 32.8669,
99.1439

■ 29.6365, 26.8019,
98.2190

■ 26.0830, 21.8070,
97.4422

■ 23.5171, 17.7976,
96.8035

Harmonies

Analogous

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



89.8441, 95.3654, 107.5720



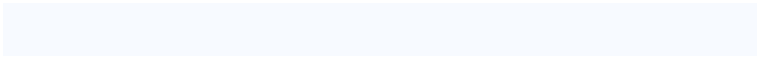
90.5934, 95.3654, 108.2403



91.3600, 95.3654, 107.7145

Triad

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



90.5934, 95.3654, 108.2403



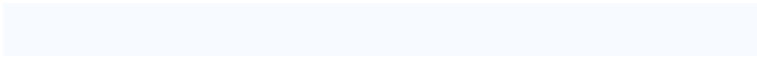
91.9860, 95.3654, 101.7992



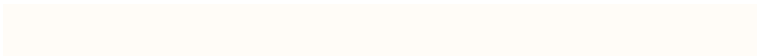
89.3591, 95.3654, 101.5617

Complementary

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



90.5934, 95.3654, 108.2403



92.8379, 97.5938, 101.9416

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.



89.9277, 95.3654, 100.0531



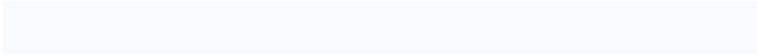
90.5934, 95.3654, 108.2403



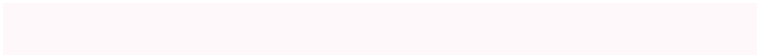
91.4445, 95.3654, 100.1889

Square

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



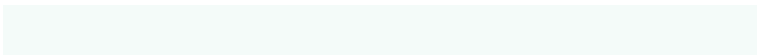
90.5934, 95.3654, 108.2403



92.1668, 95.3654, 103.9758



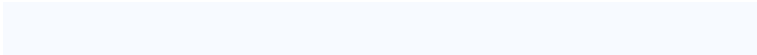
90.6905, 95.3654, 99.5542



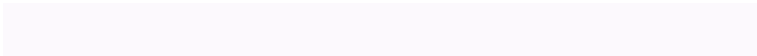
89.1340, 95.3654, 103.6977

Rectangle

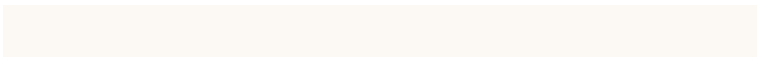
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5934, 95.3654, 108.2403



91.7770, 95.3654, 106.7618



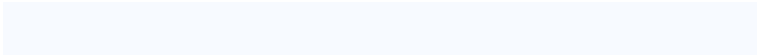
90.6905, 95.3654, 99.5542



89.5163, 95.3654, 100.9656

Sweetspot

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



90.5959, 95.3694, 108.2410



93.6122, 98.5079, 108.6878



91.6787, 98.3186, 106.1861



20.0520, 21.1005, 23.2659



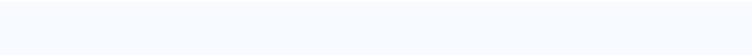
0.0000, 0.0000, 0.0000



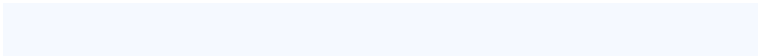
20.3446, 21.4041, 23.3091

Same Dimension

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



90.5959, 95.3694, 108.2410



89.3982, 94.1200, 108.0629



89.9997, 93.6872, 107.9477



18.9137, 19.9145, 23.0970



11.7380, 8.3856, 50.4345



1.2438, 1.0183, 4.9443

Inverse Universe

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



91.7576, 94.6852, 103.8872



90.8733, 93.2604, 102.5326



93.4463, 99.3190, 102.2425



19.2874, 19.6988, 21.6955



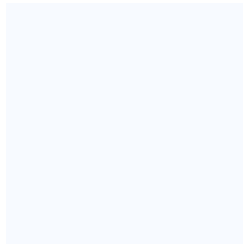
22.7130, 11.5745, 7.1391



2.2624, 1.1473, 0.9633

Previews

White Background



This preview shows how the XYZ color 90.5934, 95.3654, 108.2403 looks on a white background.

Color Contrast Check

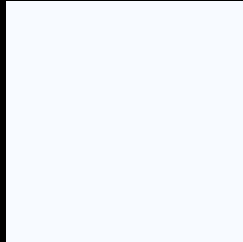
Large Text (above 18pt) WCAG AA × Fail

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 90.5934, 95.3654, 108.2403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

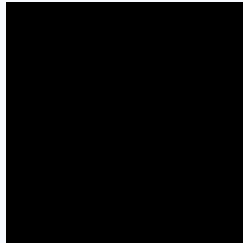
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

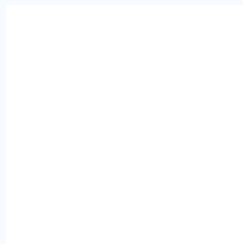
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 90.5934, 95.3654, 108.2403

Background



This preview shows how black text looks on a background with the XYZ color 90.5934, 95.3654, 108.2403.



This preview shows how white text looks on a background with the XYZ color 90.5934, 95.3654,

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

90.5934, 95.3654, 108.2403

Protanopia

91.9648, 95.1732, 107.2891

Deuteranopia

92.2200, 95.3598, 104.8126

Tritanopia

91.3500, 95.2954, 108.1869

Trichromacy

Original Color

90.5934, 95.3654, 108.2403

Protanomaly

91.5487, 95.4164, 107.3580

Deuteranomaly

91.5913, 95.4751, 105.6966

Tritanomaly

90.9926, 95.1111, 108.1702

Monochromacy

Original Color

90.5934, 95.3654, 108.2403

Achromatopsia

90.8653, 95.5973, 104.1055

Achromatomaly

90.8232, 95.5392, 105.7495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 90.5934, 95.3654, 108.2403 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(247, 250, 255) looks like.

```
.text, #text, p{  
    color:rgb(247, 250, 255)  
}
```

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(247, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 90.5934, 95.3654, 108.2403 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(247, 250, 255) }
```


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

```
.border{ border-color:rgb(247, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 90.5934, 95.3654, 108.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 250, 255) }
```

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

```
.background{ background-color: rgb(247,  
250, 255) }
```

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