

# Converting Colors

XYZ(90.5881, 94.9163, 95.6982)

Have a look what the booklet for  
XYZ(90.5881, 94.9163, 95.6982)  
contains.

<b>XYZ(90.5356, 94.6861, 95.9426)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(90.5356, 94.6861,  
95.9426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8F0
RGB	255, 248, 240
RGB Percent	100%, 97%, 94%
CMY	0.0000, 0.0274, 0.0588
CMYK	0.00, 0.03, 0.06, 0.00
HSL	32°, 100%, 97%
HSV	32°, 6%, 100%
XYZ	90.5356, 94.6861, 95.9426
YIQ	249.1810, 6.7400, -1.0040

# Conversions

## Conversions Part 2

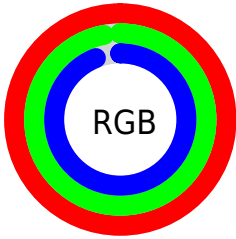
Format	Color
<a href="#">RYB</a>	<a href="#">253, 255, 240</a>
Decimal	<a href="#">16775408</a>
CIELab	<a href="#">97.91, 0.98, 4.65</a>
CIElCh	<a href="#">98, 4.754, 78.119</a>
Yxy	<a href="#">94.6861, 0.3220, 0.3368</a>
Android (android.graphics.Color)	<a href="#">4294965488</a> ( <a href="#">0xFFFFF8F0</a> )
YUV	<a href="#">249.1810, -4.5262, 5.1033</a>
Hunter-Lab	<a href="#">97.3068, -4.2080, 9.6560</a>

# Details

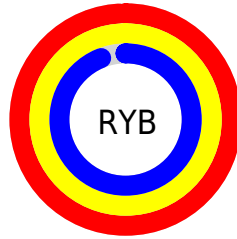
The XYZ color 90.5356, 94.6861, 95.9426 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.2452, 92.2645, 107.8182, and the grayscale version is 90.2255, 94.9242, 103.3725.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.7901, 53.1657, 52.9325 is the 20% darker color. If you saturate the color by 10%, you get 83.4704, 86.1980, 76.1934, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

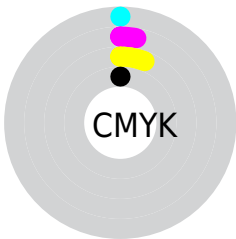
# Distribution



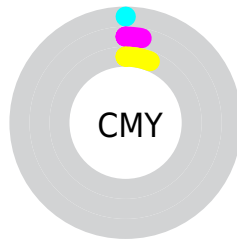
- Red (100%)
- Green (97%)
- Blue (94%)



- Red (99%)
- Yellow (100%)
- Blue (94%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.5356, 94.6861, 95.9426 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 90.5356, 94.6861, 95.9426 by changing the saturation by 10% instead.



 90.5356, 94.6861,  
95.9426

 90.5356, 94.6861,  
95.9426

517.9836,  
543.1596, 568.2395

 68.7627, 71.8737,  
72.3185


146.9567,  
153.8309, 157.5730

 50.7944, 53.0555,  
52.9305


182.3356,  
190.9321, 196.4163

 36.2654, 37.8471,  
37.3599


222.9806,  
233.5650, 241.1699

 24.8103, 25.8641,  
25.1883

269.2570,  
282.1141, 292.2522

 16.0637, 16.7220,  
15.9971

321.5301,  
336.9637, 350.0818

 9.6604, 10.0365,  
9.3678

380.1653,

 5.2349, 5.4231,

398.4982, 415.0771

4.8818

445.5280,  
467.1020, 487.6569

■ 2.4219, 2.4976,  
2.1205

■ 0.8560, 0.8754,  
0.6280

■ 90.5356, 94.6861,  
95.9426

■ 90.5356, 94.6861,  
95.9426

■ 83.4704, 86.1980,  
76.1934

95.0500, 100.0000,  
108.9000

■ 77.1415, 78.3661,  
59.2055

■ 71.5228, 71.1761,  
44.8552

■ 66.5844, 64.6087,  
33.0068

■ 62.2939, 58.6435,  
23.5122

■ 58.6155, 53.2584,  
16.2077

■ 55.5095, 48.4295,  
10.9082

■ 52.9298, 44.1301,  
7.3975

■ 50.8206, 40.3291,  
5.4074

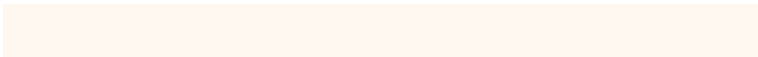
# Harmonies

## Analogous

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



91.7529, 94.6861, 97.6226



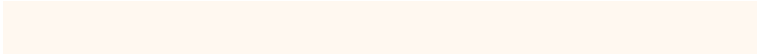
90.5356, 94.6861, 95.9426



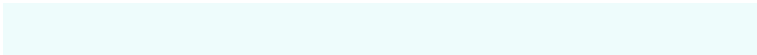
89.1857, 94.6861, 96.1437

# Triad

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



90.5356, 94.6861, 95.9426



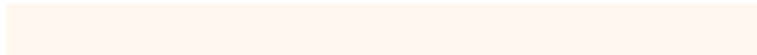
87.5345, 94.6861, 105.4430



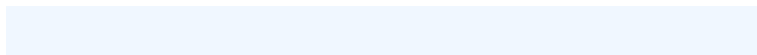
91.9568, 94.6861, 108.1765

# Complementary

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



90.5356, 94.6861, 95.9426



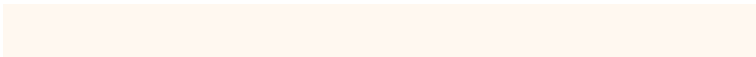
87.2452, 92.2645, 107.8182

# Split Complementary

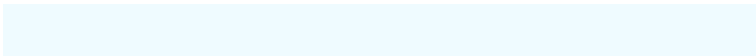
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8118, 94.6861, 110.3778



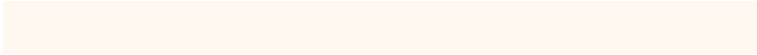
90.5356, 94.6861, 95.9426



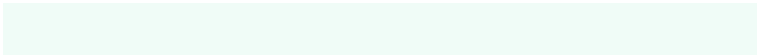
88.2623, 94.6861, 108.7725

# Square

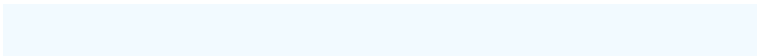
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5356, 94.6861, 95.9426



87.4622, 94.6861, 101.5633



89.4591, 94.6861, 110.5986

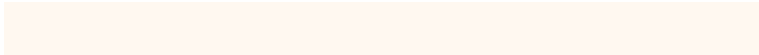


92.5789, 94.6861, 104.6462



# Rectangle

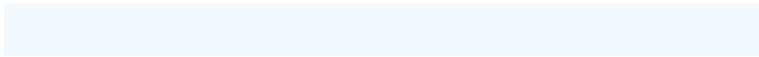
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5356, 94.6861, 95.9426



88.3922, 94.6861, 97.3182



89.4591, 94.6861, 110.5986



91.6197, 94.6861, 109.1003

# Sweetspot

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



90.5377, 94.6900, 95.9446



93.4856, 98.1679, 104.3814



89.1893, 90.2967, 100.7247



20.0262, 21.0313, 22.3892



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

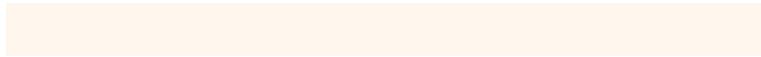


# Same Dimension

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



90.5377, 94.6900, 95.9446



89.7099, 93.7069, 93.5947



92.5448, 98.9767, 96.6663



19.1068, 19.9443, 19.7649



26.3068, 20.6249, 2.5945



2.6708, 2.2270, 0.2891



# Inverse Universe

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



87.2452, 92.2645, 107.8182



85.8211, 90.8422, 107.6188



85.3164, 88.1544, 107.1266



18.2064, 19.2810, 23.0120



13.0191, 10.9477, 50.8615

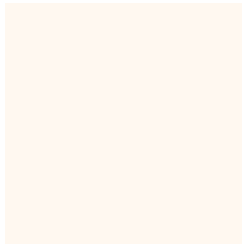


1.3757, 1.2821, 4.9882



# Previews

## White Background



This preview shows how the XYZ color 90.5356, 94.6861, 95.9426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

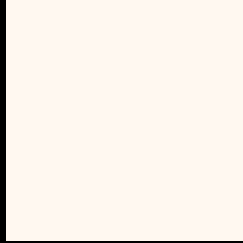
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.5356, 94.6861, 95.9426 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 90.5356, 94.6861, 95.9426

## Background



This preview shows how black text looks on a background with the XYZ color 90.5356, 94.6861, 95.9426.



This preview shows how white text looks on a background with the XYZ color 90.5356, 94.6861,



# 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**

90.5356, 94.6861, 95.9426

**Protanopia**

90.6846, 94.7457, 96.7272

**Deuteranopia**

91.2893, 94.4969, 101.4240

## Tritanopia

91.8188, 94.6242, 108.0327

# Trichromacy

A vertical color bar on the left side of the Trichromacy section, showing a gradient from light orange at the top to light pink at the bottom.

## Original Color

90.5356, 94.6861, 95.9426

## Protanomaly

90.6846, 94.7457, 96.7272

## Deuteranomaly

90.8299, 94.3132, 99.0050

## Tritanomaly

91.3891, 94.4945, 103.8650

# Monochromacy

A vertical color bar on the left side of the Monochromacy section, showing a gradient from light orange at the top to light grey at the bottom.

## Original Color

90.5356, 94.6861, 95.9426

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

90.2939, 94.9144, 100.7501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.5356, 94.6861, 95.9426 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(255, 248, 240) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 240)  
}
```

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(255, 248, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 90.5356, 94.6861, 95.9426 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(255, 248, 240) }
```



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

```
.border{ border-color:rgb(255, 248, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.5356, 94.6861, 95.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 240) }
```

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

```
.background{ background-color: rgb(255,  
248, 240) }
```

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