

# Converting Colors

XYZ(124.3972, 110.4614,  
96.8238)

Have a look what the booklet for  
XYZ(124.3972, 110.4614, 96.8238)  
contains.

<b>XYZ(89.3189, 92.2526, 95.5370)</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(89.3189, 92.2526,  
95.5370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4F0
RGB	255, 244, 240
RGB Percent	100%, 96%, 94%
CMY	0.0000, 0.0431, 0.0588
CMYK	0.00, 0.04, 0.06, 0.00
HSL	16°, 100%, 97%
HSV	16°, 6%, 100%
XYZ	89.3189, 92.2526, 95.5370
YIQ	246.8330, 7.8400, 1.0880

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">255, 245, 240</a>
Decimal	<a href="#">16774384</a>
CIELab	<a href="#">96.92, 3.01, 3.23</a>
CIElCh	<a href="#">97, 4.410, 47.002</a>
Yxy	<a href="#">92.2526, 0.3223, 0.3329</a>
Android (android.graphics.Color)	<a href="#">4294964464</a> ( <a href="#">0xFFFFFFFF</a> )
YUV	<a href="#">246.8330, -3.3687, 7.1625</a>
Hunter-Lab	<a href="#">96.0482, -2.0904, 8.2593</a>

# Details

The XYZ color 89.3189, 92.2526, 95.5370 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4816, 94.7373, 108.2304, and the grayscale version is 88.2963, 92.8946, 101.1622.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9237, 51.4329, 52.6437 is the 20% darker color. If you saturate the color by 10%, you get 80.4520, 80.1610, 75.1872, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

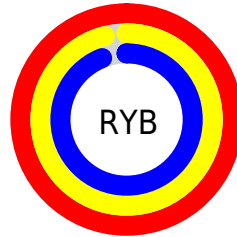
# Distribution



Red (100%)

Green (96%)

Blue (94%)



Red (100%)

Yellow (96%)

Blue (94%)



Cyan (0%)

Magenta (4%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3189, 92.2526, 95.5370 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 89.3189, 92.2526, 95.5370 by changing the saturation by 10% instead.



 89.3189, 92.2526,  
95.5370

 89.3189, 92.2526,  
95.5370

514.0837,  
535.3315, 566.9109

 67.7503, 69.8505,  
71.9826


145.2751,  
150.4634, 157.0082

 49.9675, 51.4046,  
52.6578


180.3934,  
187.0409, 195.7622

 35.6053, 36.5307,  
37.1438


220.7590,  
229.1123, 240.4198

 24.2982, 24.8444,  
25.0222

266.7373,  
277.0620, 291.3995

 15.6809, 15.9611,  
15.8744

318.6935,  
331.2744, 349.1200

 9.3881, 9.4967,  
9.2819

376.9931,

 5.0543, 5.0665,

392.1338, 413.9997

4.8262

442.0014,  
460.0247, 486.4571

■ 2.3142, 2.2863,  
2.0887

■ 0.8019, 0.7665,  
0.6090

■ 89.3189, 92.2526,  
95.5370

■ 89.3189, 92.2526,  
95.5370

■ 80.4520, 80.1610,  
75.1872

95.0500, 100.0000,  
108.9000

■ 72.6468, 69.3768,  
57.7073

■ 65.8642, 59.8588,  
42.9690

■ 60.0598, 51.5595,  
30.8319

■ 55.1863, 44.4284,  
21.1430

■ 51.1918, 38.4110,  
13.7332

■ 48.0191, 33.4487,  
8.4114

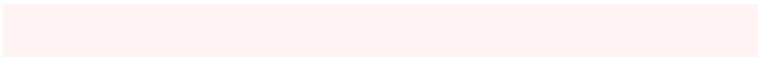
■ 45.6031, 29.4766,  
4.9552

■ 43.8667, 26.4213,  
3.0895

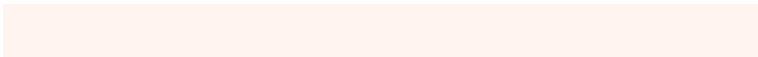
# Harmonies

## Analogous

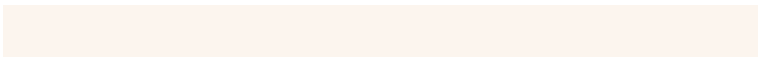
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9825, 92.2526, 98.4645



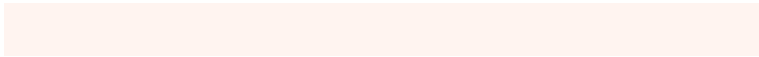
89.3189, 92.2526, 95.5370



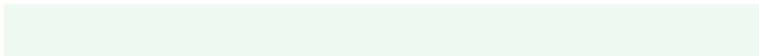
88.2205, 92.2526, 93.9417

# Triad

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



89.3189, 92.2526, 95.5370



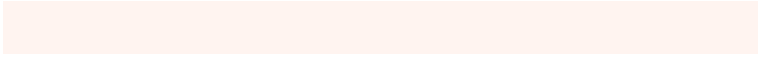
85.3813, 92.2526, 98.9199



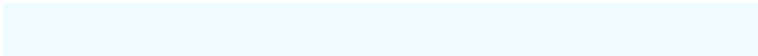
88.3822, 92.2526, 107.1178

# Complementary

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



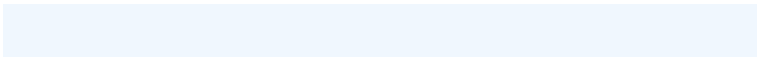
89.3189, 92.2526, 95.5370



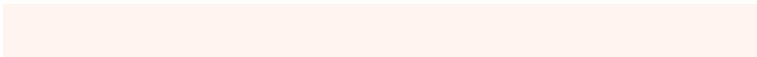
88.4816, 94.7373, 108.2304

# Split Complementary

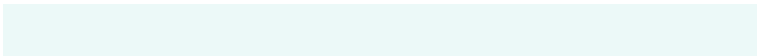
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1483, 92.2526, 107.2467



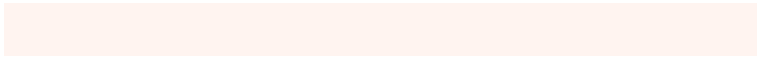
89.3189, 92.2526, 95.5370



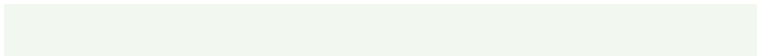
85.4236, 92.2526, 102.4568

# Square

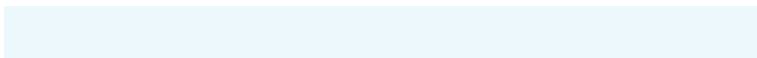
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3189, 92.2526, 95.5370



85.9516, 92.2526, 95.8636



86.0678, 92.2526, 105.5232

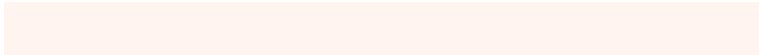


89.4382, 92.2526, 105.1750



# Rectangle

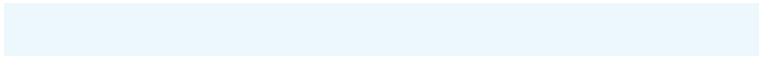
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.3189, 92.2526, 95.5370



87.3931, 92.2526, 93.8232



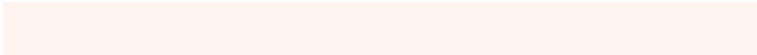
86.0678, 92.2526, 105.5232



87.9742, 92.2526, 107.3763

# Sweetspot

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



89.3209, 92.2563, 95.5390



93.0586, 97.3138, 104.2390



89.8133, 90.5463, 104.0107



19.9393, 20.8574, 22.3603



0.0000, 0.0000, 0.0000

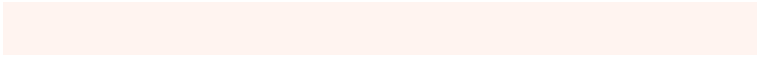


20.3446, 21.4041, 23.3091

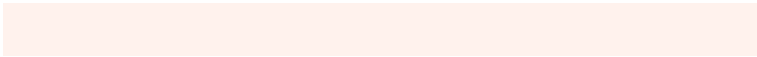


# Same Dimension

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



89.3209, 92.2563, 95.5390



88.2750, 90.8372, 93.1165



91.6221, 96.8588, 96.3060



18.7749, 19.2805, 19.6542



22.7352, 13.4817, 1.4039



2.2989, 1.4831, 0.1651



# Inverse Universe

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



88.4816, 94.7373, 108.2304



87.2837, 93.7674, 108.1063



86.1866, 90.1472, 107.4654



18.5453, 19.9589, 23.1250



18.8374, 22.5844, 52.8010

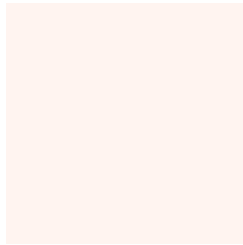


1.9241, 2.3788, 5.1710



# Previews

## White Background



This preview shows how the XYZ color 89.3189, 92.2526, 95.5370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

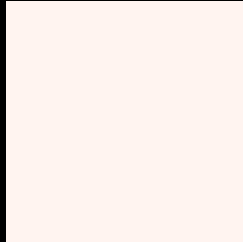
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3189, 92.2526, 95.5370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

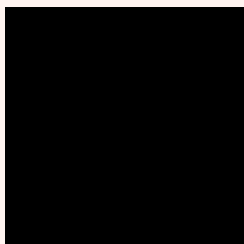
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

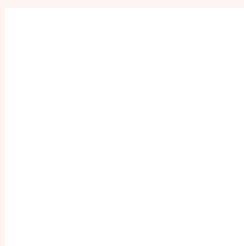
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 89.3189, 92.2526, 95.5370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 89.3189, 92.2526, 95.5370.



This preview shows how white text looks on a background with the XYZ color 89.3189, 92.2526,

95.570.

# 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

89.3189, 92.2526, 95.5370

### Protanopia

88.6745, 92.3511, 96.3710

### Deuteranopia

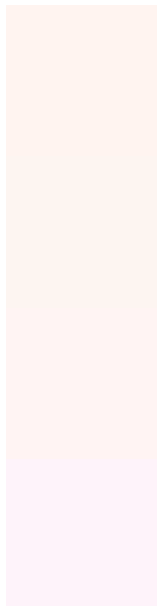
90.0721, 92.5539, 99.5036



## Tritanopia

90.9736, 92.3920, 107.6464

# Trichromacy



## Original Color

89.3189, 92.2526, 95.5370

## Protanomaly

89.0376, 92.5383, 96.3880

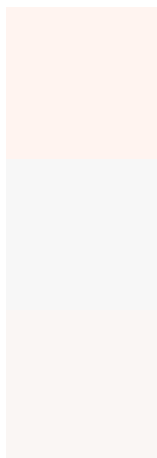
## Deuteranomaly

89.7683, 92.4324, 97.9040

## Tritanomaly

90.1790, 92.0741, 103.4616

# Monochromacy



## Original Color

89.3189, 92.2526, 95.5370

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.7092, 92.7672, 98.8183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.3189, 92.2526, 95.5370 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, 244, 240) looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 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, 244, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 89.3189, 92.2526, 95.5370 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, 244, 240) }
```



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

```
.border{ border-color:rgb(255, 244, 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, 244, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.3189, 92.2526, 95.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 240) }
```

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

```
.background{ background-color: rgb(255,  
244, 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