

# Converting Colors

XYZ(103.1052, 100.0000,  
83.8815)

Have a look what the booklet for  
XYZ(103.1052, 100.0000, 83.8815)  
contains.

<b>XYZ(87.2117, 91.8925, 82.9525)</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(87.2117, 91.8925,  
82.9525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5DF
RGB	255, 245, 223
RGB Percent	100%, 96%, 87%
CMY	0.0000, 0.0392, 0.1255
CMYK	0.00, 0.04, 0.13, 0.00
HSL	41°, 100%, 94%
HSV	41°, 13%, 100%
XYZ	87.2117, 91.8925, 82.9525
YIQ	245.4820, 13.0220, -4.7220

# Conversions

## Conversions Part 2

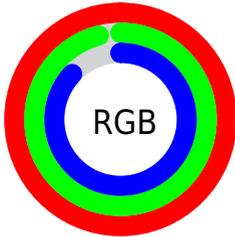
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 255, 223
Decimal	16774623
CIE Lab	96.78, -0.24, 11.78
CIE LCh	97, 11.780, 91.168
Yxy	91.8925, 0.3328, 0.3507
Android (android.graphics.Color)	4294964703 (0xFFFFF5DF)
YUV	245.4820, -11.0836, 8.3473
Hunter-Lab	95.8606, -5.3609, 15.7961

# Details

The XYZ color **87.2117, 91.8925, 82.9525** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6197, 81.1837, 106.1868**, and the grayscale version is **87.2603, 91.8046, 99.9752**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5542, 51.2281, 44.3747** is the 20% darker color. If you saturate the color by 10%, you get **81.6720, 85.9069, 65.4024**, and if you desaturate by 10%, it is **93.3772, 98.3004, 103.2681**.

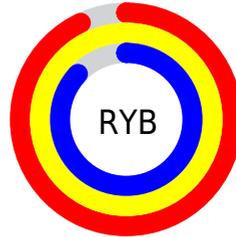
# Distribution



Red (100%)

Green (96%)

Blue (87%)



Red (93%)

Yellow (100%)

Blue (87%)

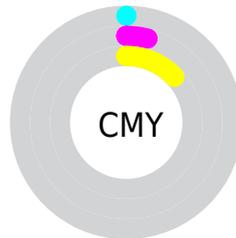


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2117, 91.8925, 82.9525 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 87.2117, 91.8925, 82.9525 by changing the saturation by 10% instead.

 87.2117, 91.8925,  
82.9525

 87.2117, 91.8925,  
82.9525

507.2924,  
534.1680, 524.7951

 65.9990, 69.5513,  
61.6106

142.3573,  
149.9644, 139.3576

 48.5393, 51.1609,  
44.2844

177.0210,  
186.4639, 175.2578

 34.4672, 36.3366,  
30.5553

216.8990,  
228.4517, 216.8479

 23.4173, 24.6943,  
20.0048

262.3568,  
276.3121, 264.5464

 15.0244, 15.8494,  
12.2144

313.7597,  
330.4295, 318.7718

 8.9229, 9.4177,  
6.7656

371.4730,

 4.7476, 5.0146,

391.1884, 379.9427

3.2397

435.8621,  
458.9731, 448.4776

■ 2.1332, 2.2558,  
1.2183

■ 0.7072, 0.7502,  
0.0000

■ 87.2117, 91.8925,  
82.9525

■ 87.2117, 91.8925,  
82.9525

■ 81.6720, 85.9069,  
65.4024

■ 93.3772, 98.3004,  
103.2681

■ 76.7273, 80.3202,  
50.4900

95.0500, 100.0000,  
108.9000

■ 72.3538, 75.1237,  
38.0861

■ 68.5230, 70.3040,  
28.0482

■ 65.2040, 65.8464,  
20.2195

■ 62.3619, 61.7348,  
14.4238

■ 59.9568, 57.9511,  
10.4582

■ 57.9408, 54.4735,  
8.0768

■ 56.6395, 52.0591,  
7.0632

# Harmonies

## Analogous

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



90.4392, 91.8925, 84.9546



87.2117, 91.8925, 82.9525



84.0957, 91.8925, 85.2874

# Triad

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



87.2117, 91.8925, 82.9525



82.0196, 91.8925, 109.7655



93.0228, 91.8925, 109.0840

# Complementary

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



87.2117, 91.8925, 82.9525



77.6197, 81.1837, 106.1868

# 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.



90.6688, 91.8925, 116.4366



87.2117, 91.8925, 82.9525



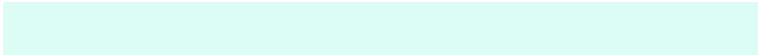
84.3145, 91.8925, 116.8472

# Square

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



87.2117, 91.8925, 82.9525



81.1450, 91.8925, 100.4264



87.4706, 91.8925, 119.3608



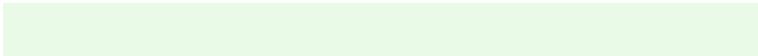
93.8447, 91.8925, 99.6851

# Rectangle

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



87.2117, 91.8925, 82.9525



82.4874, 91.8925, 89.0799



87.4706, 91.8925, 119.3608



92.3815, 91.8925, 111.8971

# Sweetspot

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



87.2138, 91.8963, 82.9544



92.4430, 97.3446, 100.1433



82.3554, 79.9272, 88.2785



19.6841, 20.7305, 21.0933



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.



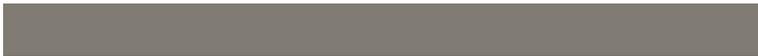
87.2138, 91.8963, 82.9544



85.7985, 90.3900, 78.4002



88.1941, 97.0121, 83.8902



19.0546, 20.0773, 19.0154



29.7348, 27.4808, 3.7371



2.9928, 2.8710, 0.3964



# Inverse Universe

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



77.6197, 81.1837, 106.1868



74.5264, 77.8042, 105.6975



76.7092, 76.6327, 105.3563



17.4658, 18.3033, 22.8623



11.0334, 6.9763, 50.1996



1.1669, 0.8645, 4.9186



# Previews

## White Background



This preview shows how the XYZ color 87.2117, 91.8925, 82.9525 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 87.2117, 91.8925, 82.9525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

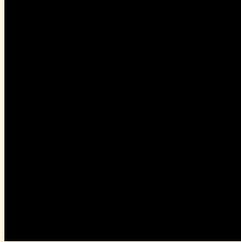
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.2117, 91.8925, 82.9525

## Background



This preview shows how black text looks on a background with the XYZ color 87.2117, 91.8925, 82.9525.



This preview shows how white text looks on a background with the XYZ color 87.2117, 91.8925,

82.9525.

# 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

87.2117, 91.8925, 82.9525

### Protanopia

87.3470, 91.9466, 83.6648

### Deuteranopia

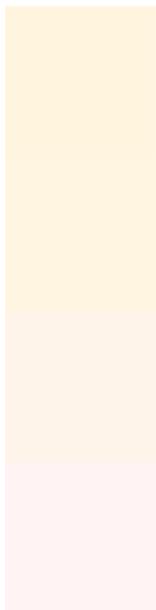
89.0188, 91.6525, 95.4370



## Tritanopia

90.8815, 91.9200, 106.7183

# Trichromacy



## Original Color

87.2117, 91.8925, 82.9525

## Protanomaly

87.3470, 91.9466, 83.6648

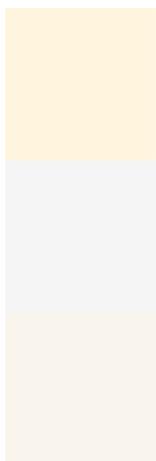
## Deuteranomaly

88.4420, 91.9019, 90.9193

## Tritanomaly

89.4683, 91.8322, 97.8039

# Monochromacy



## Original Color

87.2117, 91.8925, 82.9525

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.0054, 91.5590, 93.2077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.2117, 91.8925, 82.9525 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, 245, 223) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 223)  
}
```

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, 245, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 87.2117, 91.8925, 82.9525 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, 245, 223) }
```

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

```
.border{ border-color:rgb(255, 245, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.2117, 91.8925, 82.9525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 223) }
```

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

```
.background{ background-color: rgb(255,  
245, 223) }
```

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](#).

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