

# Converting Colors

XYZ(83.5795, 83.6595, 92.5295)

Have a look what the booklet for  
XYZ(83.5795, 83.6595, 92.5295)  
contains.

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# Color

**XYZ(83.7922, 83.8341,  
92.6542)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBE7EE
RGB	251, 231, 238
RGB Percent	98%, 91%, 93%
CMY	0.0157, 0.0941, 0.0667
CMYK	0.00, 0.08, 0.05, 0.02
HSL	339°, 71%, 95%
HSV	339°, 8%, 98%
XYZ	83.7922, 83.8341, 92.6542
YIQ	237.7780, 9.6730, 6.4170

# Conversions

## Conversions Part 2

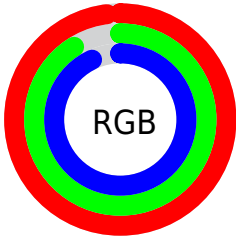
Format	Color
R <sub>Y</sub> B	251, 231, 238
Decimal	16508910
CIE Lab	93.38, 7.97, -0.94
CIE LCh	93, 8.027, 353.268
Yxy	83.8341, 0.3219, 0.3221
Android (android.graphics.Color)	4294698990 (0xFFFB E7EE)
YUV	237.7780, 0.1094, 11.5957
Hunter-Lab	91.5610, 3.1229, 4.0948

# Details

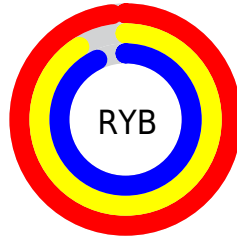
The XYZ color **83.7922, 83.8341, 92.6542** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.7845, 92.5171, 99.0342**, and the grayscale version is **81.0923, 85.3154, 92.9085**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0216, 45.5067, 50.6140** is the 20% darker color. If you saturate the color by 10%, you get **74.9752, 69.8637, 78.4182**, and if you desaturate by 10%, it is **93.4849, 99.2058, 108.2564**.

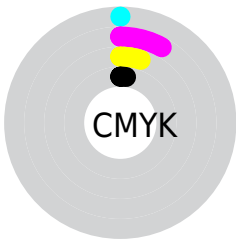
# Distribution



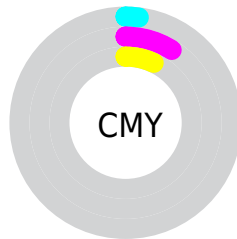
- Red (98%)
- Green (91%)
- Blue (93%)



- Red (98%)
- Yellow (91%)
- Blue (93%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7922, 83.8341, 92.6542 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 83.7922, 83.8341, 92.6542 by changing the saturation by 10% instead.




 83.7922, 83.8341,  
92.6542

 83.7922, 83.8341,  
92.6542


496.1670,  
507.7622, 557.4189

 63.1630, 62.8785,  
69.5981


137.6072,  
138.7431, 152.9873

 46.2322, 45.7429,  
50.7241


171.5238,  
173.4652, 191.1014

 32.6345, 32.0430,  
35.6139


210.6002,  
213.5450, 235.0719

 22.0045, 21.3943,  
23.8488

255.2017,  
259.3668, 285.3172

 13.9768, 13.4126,  
15.0104

305.6938,  
311.3150, 342.2561

 8.1861, 7.7132,  
8.6800

362.4419,

 4.2671, 3.9120,

369.7741, 406.3070

4.4391

425.8111,  
435.1283, 477.8884

■ 1.8543, 1.6245,  
1.8692

■ 0.5501, 0.3740,  
0.4730

■ 83.7922, 83.8341,  
92.6542

■ 83.7922, 83.8341,  
92.6542

■ 74.9752, 69.8637,  
78.4182

■ 93.4849, 99.2058,  
108.2564

■ 67.3321, 57.9036,  
65.6163

■ 93.5942, 99.2495,  
108.8319

■ 60.8136, 47.8638,  
54.2037

■ 55.3640, 39.6429,  
44.1309

■ 50.9228, 33.1300,  
35.3452

■ 47.4229, 28.2024,  
27.7901

■ 44.7886, 24.7204,  
21.4042

■ 42.9314, 22.5195,  
16.1193

■ 41.7337, 21.3780,  
11.8548

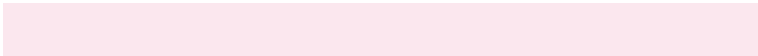
# Harmonies

## Analogous

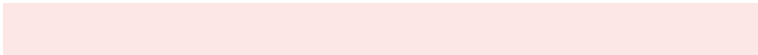
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9882, 83.8341, 98.4308



83.7922, 83.8341, 92.6542



83.4793, 83.8341, 86.7538

# Triad

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



83.7922, 83.8341, 92.6542



78.0849, 83.8341, 80.9868



77.2725, 83.8341, 100.9445

# Complementary

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



83.7922, 83.8341, 92.6542



83.7845, 92.5171, 99.0342

# Split Complementary

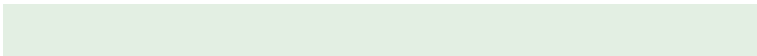
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0012, 83.8341, 95.9632



83.7922, 83.8341, 92.6542



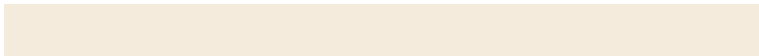
76.4644, 83.8341, 84.4862

# Square

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



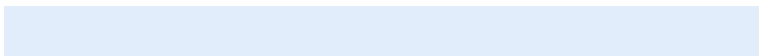
83.7922, 83.8341, 92.6542



80.1598, 83.8341, 80.1884



75.7081, 83.8341, 89.9216



79.2057, 83.8341, 103.3523

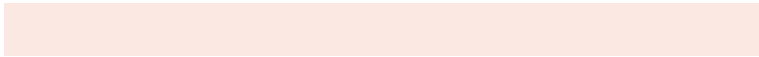


# Rectangle

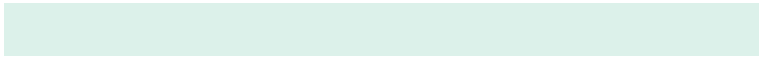
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



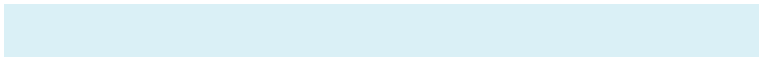
83.7922, 83.8341, 92.6542



82.6821, 83.8341, 83.5231



75.7081, 83.8341, 89.9216



76.7550, 83.8341, 99.5052

# Sweetspot

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



83.7946, 83.8378, 92.6560



92.9152, 96.5774, 105.5775



83.2996, 83.3539, 102.9665



19.9101, 20.7074, 22.6329



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

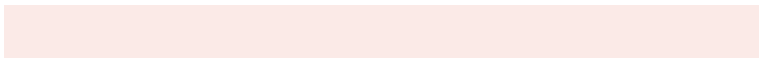
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7946, 83.8378, 92.6560



84.8925, 83.7736, 92.9096



83.6331, 85.1280, 87.6291



17.4953, 17.3255, 19.1983



21.8959, 11.1741, 6.1600

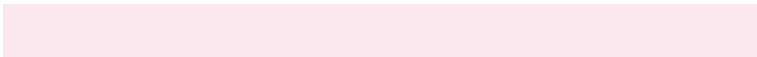


2.0760, 1.0541, 0.8237



# Inverse Universe

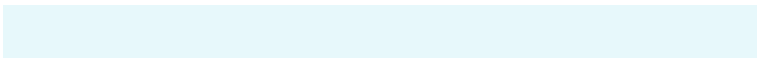
The Inverse Universe completely reimagines the original color for something new.



83.7946, 83.8378, 92.6560



84.8925, 83.7736, 92.9096



83.9377, 91.0911, 104.4263



17.4953, 17.3255, 19.1983



21.8959, 11.1741, 6.1600

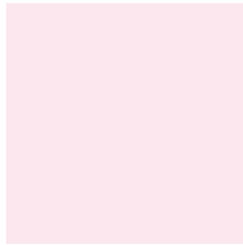


2.0760, 1.0541, 0.8237



# Previews

## White Background



This preview shows how the XYZ color 83.7922, 83.8341, 92.6542 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

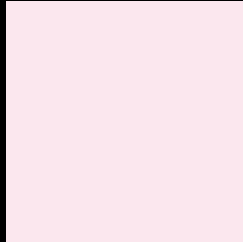
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7922, 83.8341, 92.6542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

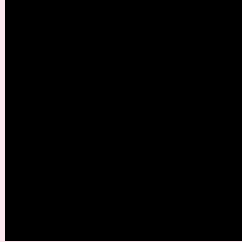
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.7922, 83.8341, 92.6542

## Background



This preview shows how black text looks on a background with the XYZ color 83.7922, 83.8341, 92.6542.



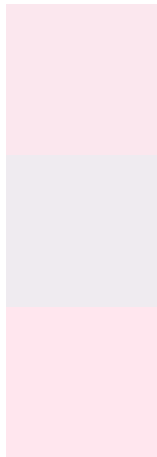
This preview shows how white text looks on a background with the XYZ color 83.7922, 83.8341,

92.6542.

# 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

83.7922, 83.8341, 92.6542

### Protanopia

81.0331, 84.0587, 94.3921

### Deuteranopia

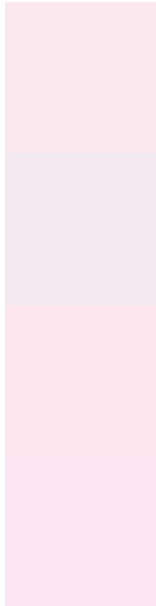
84.9694, 84.0267, 92.6293



## Tritanopia

85.3850, 84.0664, 100.5331

# Trichromacy



## Original Color

83.7922, 83.8341, 92.6542

## Protanomaly

81.9650, 84.1323, 93.5805

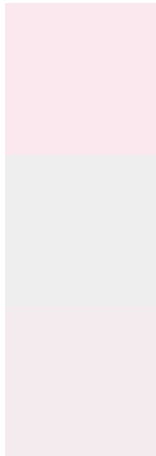
## Deuteranomaly

84.6025, 83.8375, 92.6121

## Tritanomaly

84.7708, 83.8207, 97.2991

# Monochromacy



## Original Color

83.7922, 83.8341, 92.6542

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.1031, 84.6444, 92.8996

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7922, 83.8341, 92.6542 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(251, 231, 238)` looks like.

```
.text, #text, p{  
    color:rgb(251, 231, 238)  
}
```

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(251, 231, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 231, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7922, 83.8341, 92.6542 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(251, 231, 238) }
```



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

```
.border{ border-color:rgb(251, 231, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 231, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 231, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 231, 238);  
box-shadow:4px 4px 4px 4px rgb(251, 231,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7922, 83.8341, 92.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 231, 238) }
```

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

```
.background{ background-color: rgb(251,  
231, 238) }
```

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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