

Converting Colors

XYZ(85.7228, 85.3646,
101.1486)

Have a look what the booklet for
XYZ(85.7228, 85.3646, 101.1486)
contains.

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Color

**XYZ(85.8659, 85.5644,
100.7969)**

Conversions

Conversions Part 1

Format	Color
Hex	FBE9F8
RGB	251, 233, 248
RGB Percent	98%, 91%, 97%
CMY	0.0157, 0.0863, 0.0274
CMYK	0.00, 0.07, 0.01, 0.02
HSL	310°, 69%, 95%
HSV	310°, 7%, 98%
XYZ	85.8659, 85.5644, 100.7969
YIQ	240.0920, 5.9130, 8.4810

Conversions

Conversions Part 2

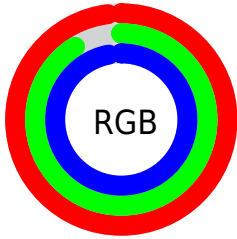
Format	Color
R_{YB}	251, 233, 248
Decimal	16509432
CIE Lab	94.13, 8.67, -5.05
CIE LCh	94, 10.035, 329.792
Yxy	85.5644, 0.3154, 0.3143
Android (android.graphics.Color)	4294699512 (0xFFFB E9F8)
YUV	240.0920, 3.8986, 9.5663
Hunter-Lab	92.5010, 3.8193, 0.1433

Details

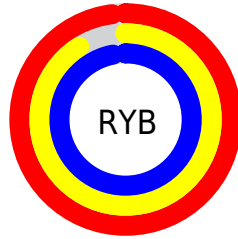
The XYZ color **85.8659, 85.5644, 100.7969** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.2451, 92.3765, 92.8044**, and the grayscale version is **82.8658, 87.1813, 94.9404**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4847, 46.7194, 56.3842** is the 20% darker color. If you saturate the color by 10%, you get **78.6185, 72.0959, 95.2146**, and if you desaturate by 10%, it is **93.1445, 99.0696, 106.4633**.

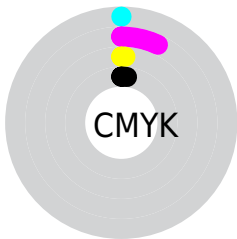
Distribution



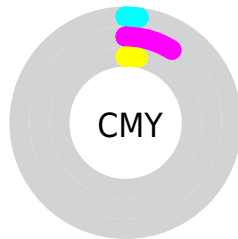
- Red (98%)
- Green (91%)
- Blue (97%)



- Red (98%)
- Yellow (91%)
- Blue (97%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (2%)





- Cyan (2%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8659, 85.5644, 100.7969 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 85.8659, 85.5644, 100.7969 by changing the saturation by 10% instead.


 85.8659, 85.5644,
100.7969

 85.8659, 85.5644,
100.7969


502.9295,
513.4938, 584.0131

 64.8820, 64.3078,
76.3456


140.4901,
141.1615, 164.3133

 47.6297, 46.9000,
56.2076


174.8612,
176.2707, 204.2155

 33.7438, 32.9566,
39.9643


214.4253,
216.7664, 250.1051

 22.8588, 22.0932,
27.1971

259.5478,
263.0328, 302.4007

 14.6094, 13.9254,
17.4876

310.5942,
315.4543, 361.5207

 8.6302, 8.0688,
10.4171

367.9297,

 4.5560, 4.1390,

374.4154, 427.8838

5.5672

431.9197,
440.3004, 501.9084

■ 2.0212, 1.7516,
2.5192

■ 0.6458, 0.4568,
0.8503

■ 85.8659, 85.5644,
100.7969

■ 85.8659, 85.5644,
100.7969

■ 78.6185, 72.0959,
95.2146

■ 93.1445, 99.0696,
106.4633

■ 72.3513, 60.5658,
90.0292

■ 93.5943, 99.2495,
108.8319

■ 67.0212, 50.8870,
85.2268

■ 62.5789, 42.9611,
80.7906

■ 58.9708, 36.6810,
76.7022

■ 56.1372, 31.9274,
72.9413

■ 54.0105, 28.5652,
69.4848

■ 52.5111, 26.4356,
66.3056

■ 51.5368, 25.3339,
63.3693

Harmonies

Analogous

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



83.9162, 85.5644, 106.5818



85.8659, 85.5644, 100.7969



86.5942, 85.5644, 93.2187

Triad

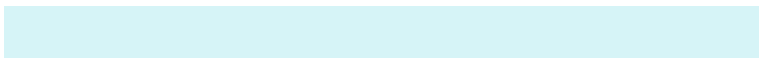
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8659, 85.5644, 100.7969



81.3451, 85.5644, 79.1601



76.9317, 85.5644, 100.6991

Complementary

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



85.8659, 85.5644, 100.7969



83.2451, 92.3765, 92.8044

Split Complementary

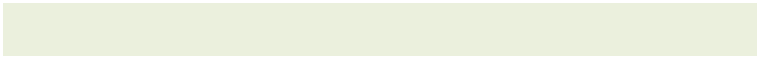
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2767, 85.5644, 93.1115



85.8659, 85.5644, 100.7969



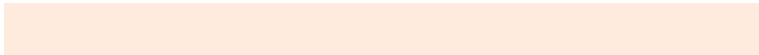
78.7904, 85.5644, 80.9244

Square

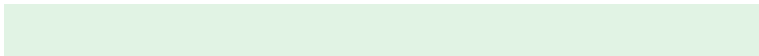
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8659, 85.5644, 100.7969



83.9493, 85.5644, 80.9732



76.9498, 85.5644, 85.9286



78.7587, 85.5644, 106.5232

Rectangle

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



85.8659, 85.5644, 100.7969



86.2769, 85.5644, 88.2521



76.9498, 85.5644, 85.9286



76.5690, 85.5644, 98.2571

Sweetspot

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



85.8684, 85.5681, 100.7988



93.3079, 96.7344, 107.6455



81.1472, 83.0800, 103.0273



19.9900, 20.7393, 23.0538



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.



85.8684, 85.5681, 100.7988



87.5507, 85.9774, 103.3915



84.5055, 85.0230, 93.6220



17.8615, 17.4719, 21.1263



27.0184, 13.2231, 33.1347



2.5343, 1.2375, 3.2369

Inverse Universe

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



85.8684, 85.5681, 100.7988



87.5507, 85.9774, 103.3915



84.5858, 92.9128, 99.8645



17.8615, 17.4719, 21.1263



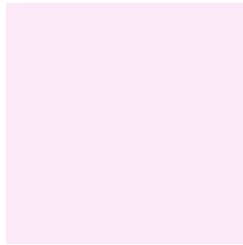
27.0184, 13.2231, 33.1347



2.5343, 1.2375, 3.2369

Previews

White Background



This preview shows how the XYZ color 85.8659, 85.5644, 100.7969 looks on a white background.

Color Contrast Check

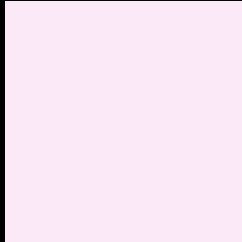
Large Text (above 18pt) WCAG AA × Fail

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 85.8659, 85.5644, 100.7969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

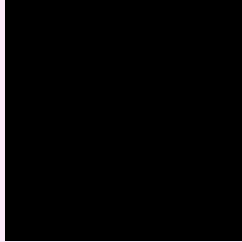
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8659, 85.5644, 100.7969

Background



This preview shows how black text looks on a background with the XYZ color 85.8659, 85.5644, 100.7969.



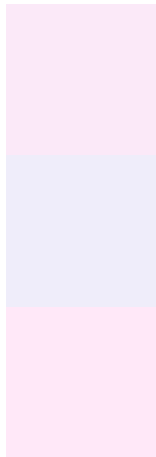
This preview shows how white text looks on a background with the XYZ color 85.8659, 85.5644,

100.7969.

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

85.8659, 85.5644, 100.7969

Protanopia

83.1361, 85.8212, 102.6259

Deuteranopia

87.0399, 85.7505, 100.7709



Tritanopia

86.3352, 85.7521, 103.2682

Trichromacy



Original Color

85.8659, 85.5644, 100.7969

Protanomaly

84.0565, 85.8851, 101.7698

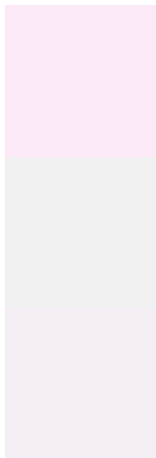
Deuteranomaly

86.6729, 85.5614, 100.7538

Tritanomaly

86.1779, 85.6892, 102.4401

Monochromacy



Original Color

85.8659, 85.5644, 100.7969

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.7701, 86.2725, 97.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8659, 85.5644, 100.7969 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, 233, 248)` looks like.

```
.text, #text, p{  
    color:rgb(251, 233, 248)  
}
```

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, 233, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 233, 248) }
```

Border

The CSS property to change the border of an element to XYZ 85.8659, 85.5644, 100.7969 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, 233, 248) }
```


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

```
.border{ border-color:rgb(251, 233, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 233, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 233, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 233, 248);  
box-shadow:4px 4px 4px 4px rgb(251, 233,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8659, 85.5644, 100.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 233, 248) }
```

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

```
.background{ background-color: rgb(251,  
233, 248) }
```

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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