

Converting Colors

XYZ(87.6494, 84.7348, 96.3272)

Have a look what the booklet for
XYZ(87.6494, 84.7348, 96.3272)
contains.

XYZ(85.4370, 83.7697, 96.4602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.4370, 83.7697,
96.4602)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5F3
RGB	255, 229, 243
RGB Percent	100%, 90%, 95%
CMY	0.0000, 0.1019, 0.0471
CMYK	0.00, 0.10, 0.05, 0.00
HSL	328°, 100%, 95%
HSV	328°, 10%, 100%
XYZ	85.4370, 83.7697, 96.4602
YIQ	238.3700, 11.0020, 9.8660

Conversions

Conversions Part 2

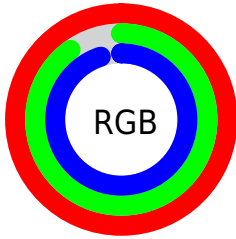
Format	Color
R_{YB}	255, 229, 243
Decimal	16770547
CIE _{Lab}	93.35, 11.21, -3.55
CIE _{LCh}	93, 11.757, 342.428
Yxy	83.7697, 0.3216, 0.3153
Android (android.graphics.Color)	4294960627 (0xFFFFE5F3)
YUV	238.3700, 2.2826, 14.5845
Hunter-Lab	91.5258, 6.4551, 1.5816

Details

The XYZ color **85.4370, 83.7697, 96.4602** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9528, 94.5301, 97.0439**, and the grayscale version is **81.5333, 85.7794, 93.4137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3944, 45.8657, 53.3687** is the 20% darker color. If you saturate the color by 10%, you get **77.1721, 69.9938, 85.2154**, and if you desaturate by 10%, it is **94.8559, 99.6705, 108.6543**.

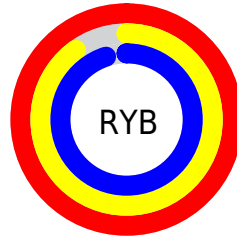
Distribution



Red (100%)

Green (90%)

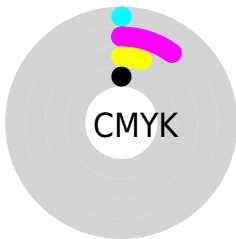
Blue (95%)



Red (100%)

Yellow (90%)

Blue (95%)

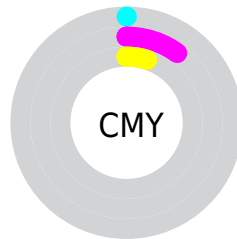


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.4370, 83.7697, 96.4602 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 85.4370, 83.7697, 96.4602 by changing the saturation by 10% instead.


 85.4370, 83.7697,
96.4602

 85.4370, 83.7697,
96.4602


501.5349,
507.5482, 569.9325

 64.5262, 62.8253,
72.7473


139.8944,
138.6530, 158.2933

 47.3403, 45.6999,
53.2788


174.1718,
173.3607, 197.2506

 33.5138, 32.0091,
37.6361

213.6355,
213.4249, 242.1264

 22.6815, 21.3684,
25.4008

258.6507,
259.2301, 293.3393

 14.4779, 13.3936,
16.1542

309.5829,
311.1606, 351.3078

 8.5377, 7.7001,
9.4778

366.7975,

 4.4956, 3.9037,

369.6008, 416.4505

4.9531

430.6597,
434.9352, 489.1858

■ 1.9861, 1.6198,
2.1615

■ 0.6262, 0.3709,
0.6520

■ 85.4370, 83.7697,
96.4602

■ 85.4370, 83.7697,
96.4602

■ 77.1721, 69.9938,
85.2154

94.8559, 99.6705,
108.6543

■ 70.0085, 58.2419,
74.8883

95.0500, 100.0000,
108.9000

■ 63.8976, 48.4199,
65.4532

■ 58.7848, 40.4222,
56.8808

■ 54.6104, 34.1329,
49.1397

■ 51.3077, 29.4229,
42.1959

■ 48.8009, 26.1441,
36.0119

■ 46.9997, 24.1203,
30.5447

■ 45.7766, 23.0747,
25.8196

Harmonies

Analogous

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



83.7085, 83.7697, 104.3950



85.4370, 83.7697, 96.4602



85.5821, 83.7697, 87.5876

Triad

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



85.4370, 83.7697, 96.4602



78.3451, 83.7697, 75.5410



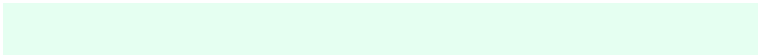
75.3031, 83.7697, 103.2147

Complementary

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



85.4370, 83.7697, 96.4602



83.9528, 94.5301, 97.0439

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.



73.9425, 83.7697, 94.9329



85.4370, 83.7697, 96.4602



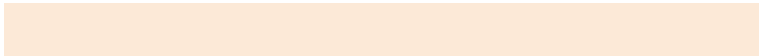
75.6680, 83.7697, 79.1865

Square

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



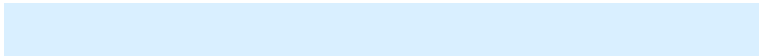
85.4370, 83.7697, 96.4602



81.4330, 83.7697, 75.8911



74.0743, 83.7697, 86.1557



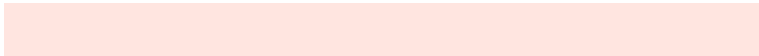
77.8353, 83.7697, 108.4651

Rectangle

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



85.4370, 83.7697, 96.4602



84.7564, 83.7697, 82.3631



74.0743, 83.7697, 86.1557



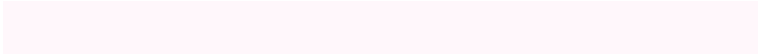
74.6966, 83.7697, 100.6709

Sweetspot

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



85.4389, 83.7731, 96.4620



92.0945, 94.9904, 105.1359



82.2454, 81.9105, 106.0833



19.5468, 20.0524, 22.2912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

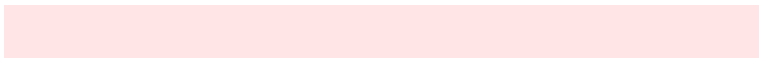
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4389, 83.7731, 96.4620



83.8619, 81.1300, 94.3613



83.5869, 83.0323, 86.7095



18.4183, 18.1507, 20.8201



23.9956, 12.0875, 13.8930



2.3916, 1.1990, 1.6434

Inverse Universe

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



85.4389, 83.7731, 96.4620



83.8619, 81.1300, 94.3613



85.9164, 95.3156, 107.3840



18.4183, 18.1507, 20.8201



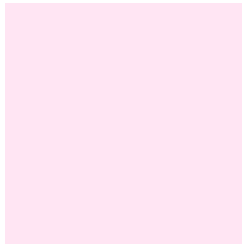
23.9956, 12.0875, 13.8930



2.3916, 1.1990, 1.6434

Previews

White Background



This preview shows how the XYZ color 85.4370, 83.7697, 96.4602 looks on a white background.

Color Contrast Check

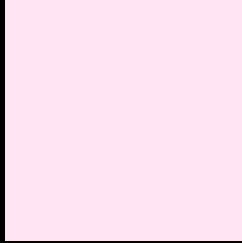
Large Text (above 18pt) WCAG AA × Fail

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 85.4370, 83.7697, 96.4602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

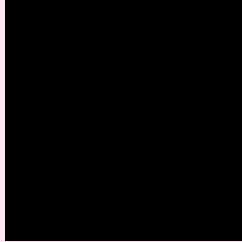
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.4370, 83.7697, 96.4602

Background



This preview shows how black text looks on a background with the XYZ color 85.4370, 83.7697, 96.4602.



This preview shows how white text looks on a background with the XYZ color 85.4370, 83.7697,

96.4602.

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

85.4370, 83.7697, 96.4602

Protanopia

81.2679, 84.0750, 99.1336

Deuteranopia

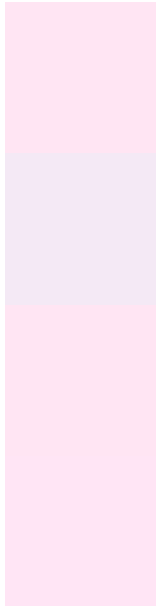
85.4370, 83.7697, 96.4602



Tritanopia

85.8939, 83.9524, 98.8661

Trichromacy



Original Color

85.4370, 83.7697, 96.4602

Protanomaly

82.9286, 84.1035, 98.2490

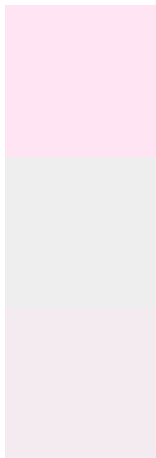
Deuteranomaly

85.4370, 83.7697, 96.4602

Tritanomaly

85.7407, 83.8912, 98.0598

Monochromacy



Original Color

85.4370, 83.7697, 96.4602

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.7447, 84.9410, 94.4722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4370, 83.7697, 96.4602 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, 229, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 243)  
}
```

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, 229, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 243) }
```

Border

The CSS property to change the border of an element to XYZ 85.4370, 83.7697, 96.4602 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, 229, 243) }
```


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

```
.border{ border-color:rgb(255, 229, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4370, 83.7697, 96.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 243) }
```

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

```
.background{ background-color: rgb(255,  
229, 243) }
```

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