

Converting Colors

XYZ(87.5228, 85.9662,
103.2446)

Have a look what the booklet for
XYZ(87.5228, 85.9662, 103.2446)
contains.

XYZ(87.5092, 85.9383, 103.2423)	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(87.5092, 85.9383,
103.2423)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8FB
RGB	255, 232, 251
RGB Percent	100%, 91%, 98%
CMY	0.0000, 0.0902, 0.0157
CMYK	0.00, 0.09, 0.02, 0.00
HSL	310°, 100%, 95%
HSV	310°, 9%, 100%
XYZ	87.5092, 85.9383, 103.2423
YIQ	241.0430, 7.6090, 10.7850

Conversions

Conversions Part 2

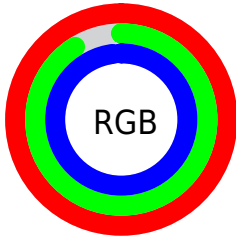
Format	Color
R _Y B	255, 232, 251
Decimal	16771323
CIE Lab	94.29, 11.05, -6.34
CIE LCh	94, 12.735, 330.159
Yxy	85.9383, 0.3163, 0.3106
Android (android.graphics.Color)	4294961403 (0xFFFFE8FB)
YUV	241.0430, 4.9088, 12.2403
Hunter-Lab	92.7029, 6.2694, -1.1386

Details

The XYZ color **87.5092, 85.9383, 103.2423** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1816, 94.7332, 93.2088**, and the grayscale version is **83.6032, 87.9570, 95.7852**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6644, 46.9966, 58.1361** is the 20% darker color. If you saturate the color by 10%, you get **80.1551, 72.3354, 97.3835**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

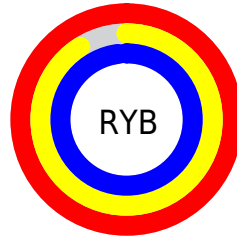
Distribution



Red (100%)

Green (91%)

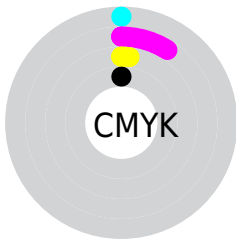
Blue (98%)



Red (100%)

Yellow (91%)

Blue (98%)

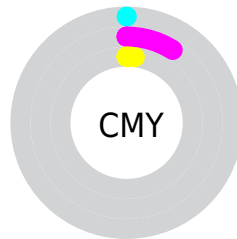


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.5092, 85.9383, 103.2423 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 87.5092, 85.9383, 103.2423 by changing the saturation by 10% instead.


 87.5092, 85.9383,
103.2423

 87.5092, 85.9383,
103.2423

508.2541,
514.7277, 591.8737

 66.2461, 64.6170,
78.3791


142.7697,
141.6834, 167.6964

 48.7407, 47.1505,
57.8672


177.4978,
176.8759, 208.1244

 34.6275, 33.1547,
41.2879


217.4450,
217.4610, 254.5777

 23.5412, 22.2450,
28.2227

262.9766,
263.8229, 307.4749

 15.1165, 14.0370,
18.2531

314.4579,
316.3462, 367.2346

 8.9881, 8.1464,
10.9605

372.2544,

 4.7904, 4.1888,

375.4151, 434.2753

5.9265

436.7313,
441.4142, 509.0155

■ 2.1583, 1.7797,
2.7324

■ 0.7206, 0.4745,
0.9597

■ 87.5092, 85.9383,
103.2423

■ 87.5092, 85.9383,
103.2423

■ 80.1551, 72.3354,
97.3835

95.0500, 100.0000,
108.9000

■ 73.8121, 60.7290,
91.9407

■ 68.4341, 51.0268,
86.8994

■ 63.9692, 43.1252,
82.2415

■ 60.3606, 36.9105,
77.9477

■ 57.5448, 32.2562,
73.9961

■ 55.4495, 29.0179,
70.3621

■ 53.9891, 27.0243,
67.0166

■ 53.0368, 26.0222,
63.9168

Harmonies

Analogous

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



85.0244, 85.9383, 110.7869



87.5092, 85.9383, 103.2423



88.4237, 85.9383, 93.5201

Triad

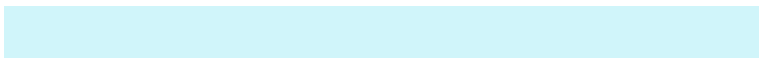
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5092, 85.9383, 103.2423



81.6636, 85.9383, 76.0031



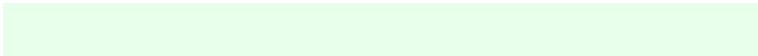
76.1364, 85.9383, 103.3388

Complementary

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



87.5092, 85.9383, 103.2423



84.1816, 94.7332, 93.2088

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.



75.2916, 85.9383, 93.6244



87.5092, 85.9383, 103.2423



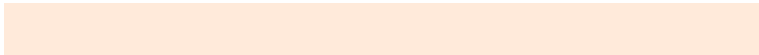
78.4280, 85.9383, 78.2400

Square

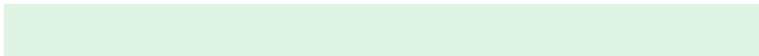
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



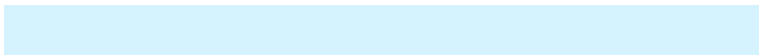
87.5092, 85.9383, 103.2423



84.9920, 85.9383, 78.1938



76.1190, 85.9383, 84.5256



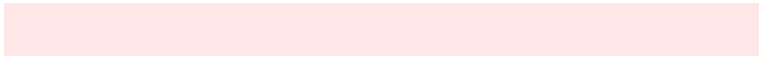
78.4587, 85.9383, 110.8453

Rectangle

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



87.5092, 85.9383, 103.2423



88.0004, 85.9383, 87.2416



76.1190, 85.9383, 84.5256



75.6731, 85.9383, 100.2019

Sweetspot

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



87.5111, 85.9417, 103.2441



92.4444, 95.1304, 106.9785



81.4467, 82.7418, 106.2858



19.6414, 20.0903, 22.7893



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.



87.5111, 85.9417, 103.2441



85.9699, 83.0806, 102.0481



85.7776, 85.2483, 94.1154



18.6491, 18.2429, 22.0352



27.7198, 13.5772, 33.5043



2.7330, 1.3356, 3.4416

Inverse Universe

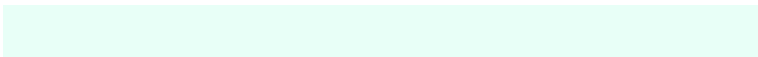
The Inverse Universe completely reimagines the original color for something new.



87.5111, 85.9417, 103.2441



85.9699, 83.0806, 102.0481



85.8810, 95.4129, 102.1574



18.6491, 18.2429, 22.0352



27.7198, 13.5772, 33.5043



2.7330, 1.3356, 3.4416

Previews

White Background



This preview shows how the XYZ color 87.5092, 85.9383, 103.2423 looks on a white background.

Color Contrast Check

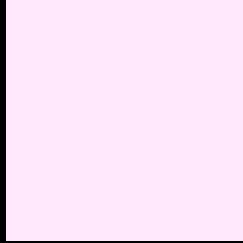
Large Text (above 18pt) WCAG AA × Fail

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 87.5092, 85.9383, 103.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

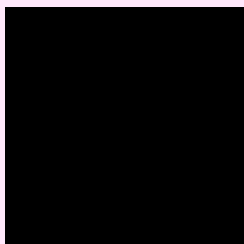
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.5092, 85.9383, 103.2423

Background



This preview shows how black text looks on a background with the XYZ color 87.5092, 85.9383, 103.2423.

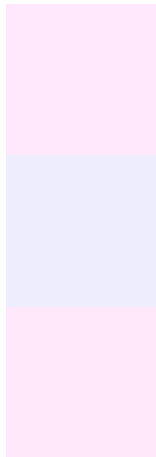


This preview shows how white text looks on a background with the XYZ color 87.5092, 85.9383,

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

87.5092, 85.9383, 103.2423

Protanopia

83.4335, 85.9013, 105.9491

Deuteranopia

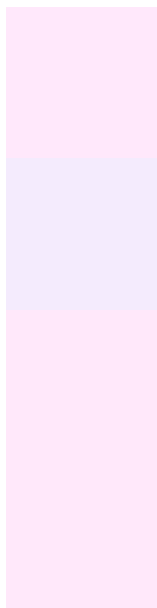
87.3519, 85.8754, 102.4141



Tritanopia

87.3519, 85.8754, 102.4141

Trichromacy



Original Color

87.5092, 85.9383, 103.2423

Protanomaly

84.7462, 85.7416, 105.0117

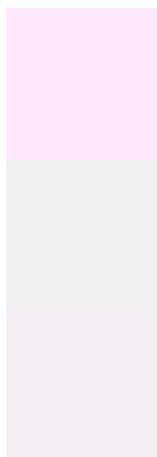
Deuteranomaly

87.3519, 85.8754, 102.4141

Tritanomaly

87.3519, 85.8754, 102.4141

Monochromacy



Original Color

87.5092, 85.9383, 103.2423

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

85.0620, 87.3345, 98.7602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5092, 85.9383, 103.2423 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, 232, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 251)  
}
```

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, 232, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 251) }
```

Border

The CSS property to change the border of an element to XYZ 87.5092, 85.9383, 103.2423 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, 232, 251) }
```


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

```
.border{ border-color:rgb(255, 232, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5092, 85.9383, 103.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 251) }
```

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

```
.background{ background-color: rgb(255,  
232, 251) }
```

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