

Converting Colors

XYZ(83.7752, 87.6893,
100.7962)

Have a look what the booklet for
XYZ(83.7752, 87.6893, 100.7962)
contains.

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Color

**XYZ(83.5452, 87.3863,
100.4596)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF0F7
RGB	239, 240, 247
RGB Percent	94%, 94%, 97%
CMY	0.0627, 0.0588, 0.0314
CMYK	0.03, 0.03, 0.00, 0.03
HSL	232°, 33%, 95%
HSV	232°, 3%, 97%
XYZ	83.5452, 87.3863, 100.4596
YIQ	240.4990, -2.8430, 1.9650

Conversions

Conversions Part 2

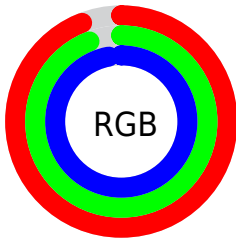
Format	Color
R _Y B	239, 240, 247
Decimal	15724791
CIE Lab	94.90, 0.93, -3.49
CIE LCh	95, 3.616, 284.950
Yxy	87.3863, 0.3078, 0.3220
Android (android.graphics.Color)	4293914871 (0xFFEFF0F7)
YUV	240.4990, 3.2050, -1.3146
Hunter-Lab	93.4806, -4.0627, 1.7200

Details

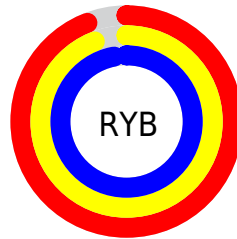
The XYZ color **83.5452, 87.3863, 100.4596** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.8937, 91.9167, 94.8247**, and the grayscale version is **83.1949, 87.5275, 95.3174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0729, 48.1098, 56.1480** is the 20% darker color. If you saturate the color by 10%, you get **69.7850, 71.4101, 98.1025**, and if you desaturate by 10%, it is **93.7887, 99.4955, 102.2583**.

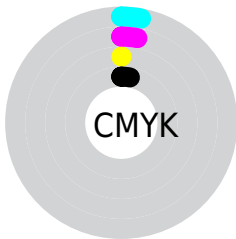
Distribution



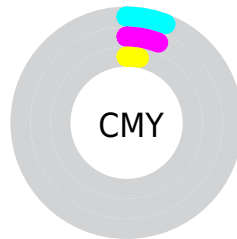
- Red (94%)
- Green (94%)
- Blue (97%)



- Red (94%)
- Yellow (94%)
- Blue (97%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (6%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5452, 87.3863, 100.4596 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 83.5452, 87.3863, 100.4596 by changing the saturation by 10% instead.

83.5452, 87.3863,
100.4596

83.5452, 87.3863,
100.4596

495.3582,
519.4914, 582.9245

62.9585, 65.8149,
76.0654

137.2634,
143.7025, 163.8460

46.0661, 48.1222,
55.9792

171.1255,
179.2160, 203.6753

32.5028, 33.9237,
39.7823

210.1434,
220.1458, 249.4867

21.9033, 22.8350,
27.0564

254.6826,
266.8762, 301.6988

13.9020, 14.4717,
17.3828

305.1083,
319.7915, 360.7301

8.1338, 8.4495,
10.3429

361.7859,

4.2332, 4.3839,

379.2762, 426.9991

5.5183

425.0807,
445.7147, 500.9244

■ 1.8349, 1.8905,
2.4905

■ 0.5386, 0.5427,
0.8351

■ 83.5452, 87.3863,
100.4596

■ 83.5452, 87.3863,
100.4596

■ 69.7850, 71.4101,
98.1025

■ 93.7887, 99.4955,
102.2583

■ 57.8464, 57.4550,
96.0381

■ 47.6549, 45.4434,
94.2568

■ 39.1280, 35.2887,
92.7461

■ 32.1766, 26.8975,
91.4928

■ 26.7028, 20.1682,
90.4824

■ 22.5981, 14.9888,
89.6991

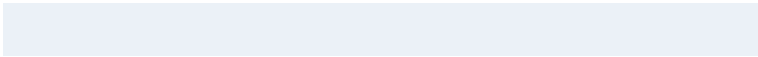
■ 19.7383, 11.2333,
89.1249

■ 17.9760, 8.7547,
88.7394

Harmonies

Analogous

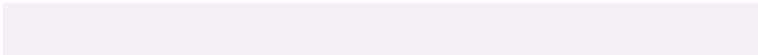
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5696, 87.3863, 100.4571



83.5452, 87.3863, 100.4596



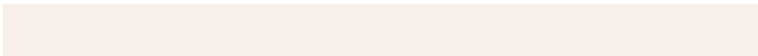
84.3967, 87.3863, 99.0202

Triad

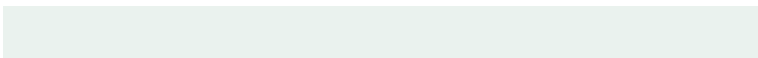
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5452, 87.3863, 100.4596



84.3991, 87.3863, 91.3862



81.2513, 87.3863, 93.7541

Complementary

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



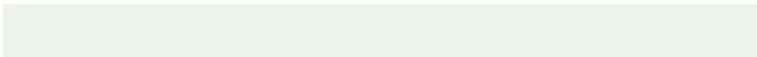
83.5452, 87.3863, 100.4596



86.8937, 91.9167, 94.8247

Split Complementary

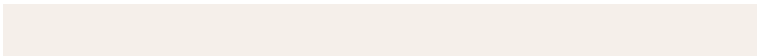
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7337, 87.3863, 91.3797



83.5452, 87.3863, 100.4596



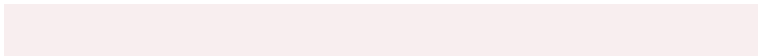
83.5484, 87.3863, 90.0310

Square

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



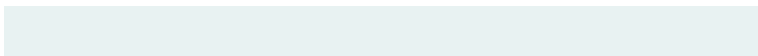
83.5452, 87.3863, 100.4596



84.8923, 87.3863, 93.7632



82.5728, 87.3863, 90.0286



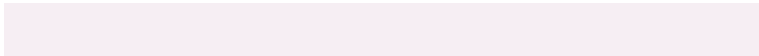
81.2504, 87.3863, 96.5481

Rectangle

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



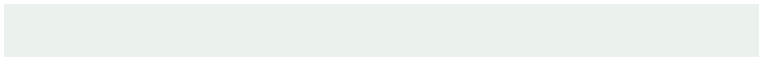
83.5452, 87.3863, 100.4596



84.7772, 87.3863, 97.4526



82.5728, 87.3863, 90.0286



81.3623, 87.3863, 92.8816

Sweetspot

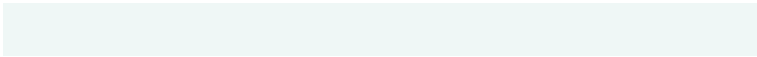
The Sweet Spot groups the original color and five complimentary colors.



83.5477, 87.3900, 100.4615



93.4108, 98.1050, 108.6206



85.4830, 91.5234, 100.2968



20.0110, 21.0185, 23.2522



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.



83.5477, 87.3900, 100.4615



88.6165, 92.5567, 107.8024



84.2514, 87.3153, 100.4100



17.1443, 17.8811, 21.0904



9.1924, 4.1787, 46.8601



0.8602, 0.4719, 4.1360

Inverse Universe

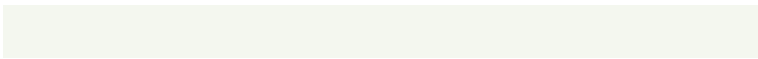
The Inverse Universe completely reimagines the original color for something new.



84.9544, 87.8001, 94.9120



90.4788, 93.1026, 100.4550



86.1735, 91.9999, 94.8787



17.5742, 18.0078, 19.3940



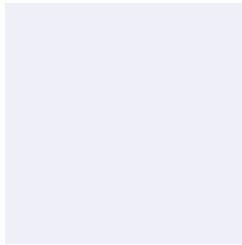
20.4444, 10.5212, 1.7828



1.8233, 0.9353, 0.2958

Previews

White Background



This preview shows how the XYZ color 83.5452, 87.3863, 100.4596 looks on a white background.

Color Contrast Check

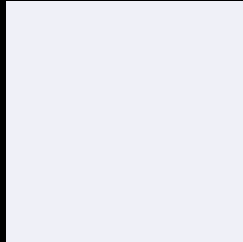
Large Text (above 18pt) WCAG AA × Fail

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 83.5452, 87.3863, 100.4596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

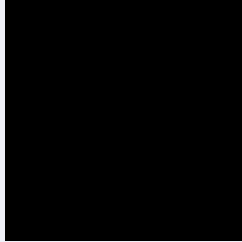
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

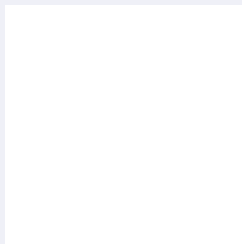
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5452, 87.3863, 100.4596

Background



This preview shows how black text looks on a background with the XYZ color 83.5452, 87.3863, 100.4596.



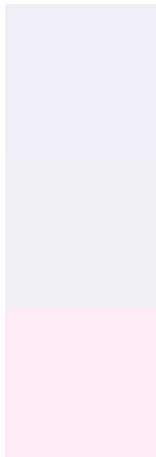
This preview shows how white text looks on a background with the XYZ color 83.5452, 87.3863,

100.4596.

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

83.5452, 87.3863, 100.4596

Protanopia

84.4632, 87.4415, 99.6150

Deuteranopia

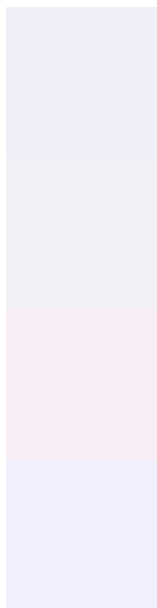
87.5829, 87.3305, 99.4291



Tritanopia

85.1921, 87.6538, 107.0365

Trichromacy



Original Color

83.5452, 87.3863, 100.4596

Protanomaly

84.1190, 87.2641, 99.5989

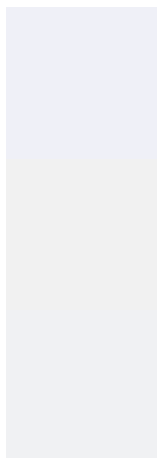
Deuteranomaly

85.9857, 87.3619, 99.5194

Tritanomaly

84.3724, 87.2865, 104.4965

Monochromacy



Original Color

83.5452, 87.3863, 100.4596

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.5681, 87.9069, 97.3572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5452, 87.3863, 100.4596 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(239, 240, 247) looks like.

```
.text, #text, p{  
    color:rgb(239, 240, 247)  
}
```

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(239, 240, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 240, 247) }
```

Border

The CSS property to change the border of an element to XYZ 83.5452, 87.3863, 100.4596 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(239, 240, 247) }
```


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

```
.border{ border-color:rgb(239, 240, 247) }
```

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

Here you see how a box with a 4 pixel rgb(239, 240, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 240, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 240, 247);  
box-shadow:4px 4px 4px 4px rgb(239, 240,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5452, 87.3863, 100.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 240, 247) }
```

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

```
.background{ background-color: rgb(239,  
240, 247) }
```

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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