

Converting Colors

XYZ(83.2869, 87.6010,
104.6145)

Have a look what the booklet for
XYZ(83.2869, 87.6010, 104.6145)
contains.

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Color

**XYZ(83.2869, 87.6010,
104.6145)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF1FC
RGB	235, 241, 252
RGB Percent	92%, 95%, 99%
CMY	0.0784, 0.0549, 0.0118
CMYK	0.07, 0.04, 0.00, 0.01
HSL	219°, 74%, 95%
HSV	219°, 7%, 99%
XYZ	83.2869, 87.6010, 104.6145
YIQ	240.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

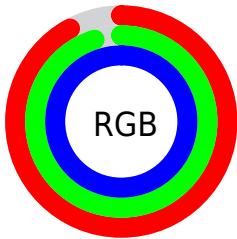
Format	Color
R _Y B	235, 239, 252
Decimal	15462908
CIE Lab	94.99, 0.05, -5.98
CIE LCh	95, 5.985, 270.454
Yxy	87.6010, 0.3023, 0.3180
Android (android.graphics.Color)	4293652988 (0xFFEBF1FC)
YUV	240.4600, 5.6892, -4.7884
Hunter-Lab	93.5954, -4.9518, -0.7535

Details

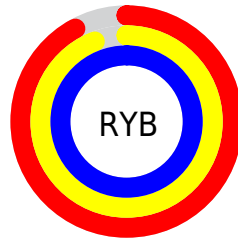
The XYZ color **83.2869, 87.6010, 104.6145** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0963, 92.6044, 91.8299**, and the grayscale version is **83.1478, 87.4779, 95.2634**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7897, 48.2218, 58.5241** is the 20% darker color. If you saturate the color by 10%, you get **70.9384, 74.3920, 102.7171**, and if you desaturate by 10%, it is **94.5710, 99.8084, 106.3774**.

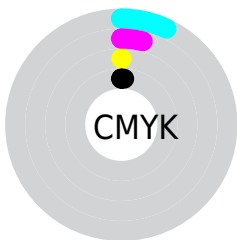
Distribution



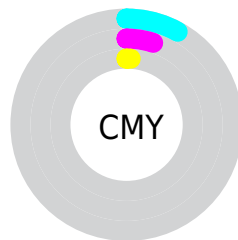
- Red (92%)
- Green (95%)
- Blue (99%)



- Red (92%)
- Yellow (94%)
- Blue (99%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (8%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2869, 87.6010, 104.6145 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 83.2869, 87.6010, 104.6145 by changing the saturation by 10% instead.

83.2869, 87.6010,
104.6145

83.2869, 87.6010,
104.6145

494.5117,
520.1957, 596.2606

62.7446, 65.9927,
79.5216

136.9037,
144.0015, 169.5912

45.8925, 48.2665,
58.8009

170.7088,
179.5625, 210.3121

32.3652, 34.0379,
42.0339

209.6656,
220.5432, 257.0794

21.7975, 22.9228,
28.8021

254.1394,
267.3280, 310.3116

13.8240, 14.5365,
18.6869

304.4955,
320.3012, 370.4273

8.0792, 8.4947,
11.2697

361.0994,

4.1979, 4.4131,

379.8473, 437.8450

6.1321

424.3163,
446.3507, 512.9832

■ 1.8147, 1.9072,
2.8555

■ 0.5265, 0.5527,
1.0213

■ 83.2869, 87.6010,
104.6145

■ 83.2869, 87.6010,
104.6145

■ 70.9384, 74.3920,
102.7171

94.5710, 99.8084,
106.3774

■ 60.1371, 62.6024,
101.0108

■ 50.8212, 52.1853,
99.4911

■ 42.9214, 43.0869,
98.1513

■ 36.3625, 35.2492,
96.9841

■ 31.0622, 28.6097,
95.9819

■ 26.9277, 23.0994,
95.1362

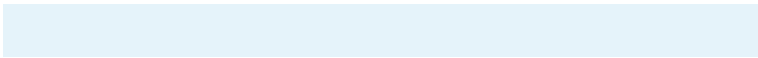
■ 23.8521, 18.6404,
94.4377

■ 21.7031, 15.1403,
93.8753

Harmonies

Analogous

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



81.7307, 87.6010, 103.3820



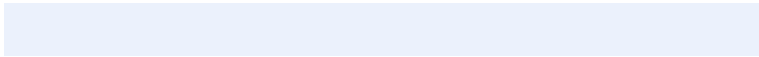
83.2869, 87.6010, 104.6145



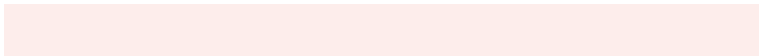
84.8560, 87.6010, 103.3071

Triad

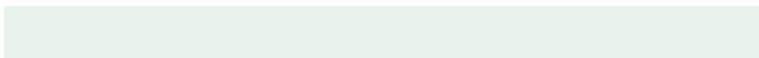
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2869, 87.6010, 104.6145



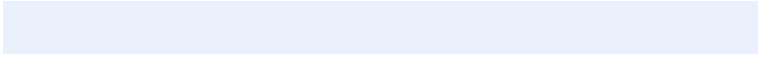
85.9850, 87.6010, 90.9181



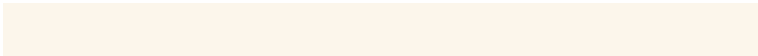
80.5731, 87.6010, 91.0372

Complementary

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



83.2869, 87.6010, 104.6145



88.0963, 92.6044, 91.8299

Split Complementary

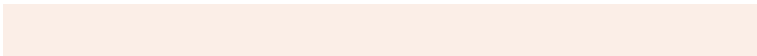
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6883, 87.6010, 87.8740



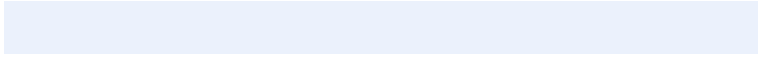
83.2869, 87.6010, 104.6145



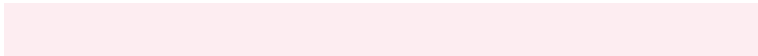
84.8126, 87.6010, 87.8069

Square

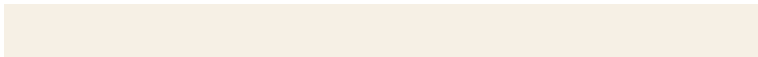
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2869, 87.6010, 104.6145



86.4261, 87.6010, 95.3117



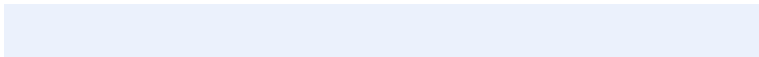
83.2373, 87.6010, 86.7105



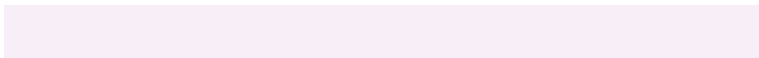
80.1763, 87.6010, 95.4536

Rectangle

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



83.2869, 87.6010, 104.6145



85.6951, 87.6010, 101.1948



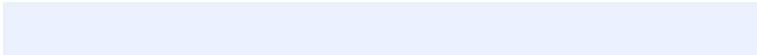
83.2373, 87.6010, 86.7105



80.8757, 87.6010, 89.7973

Sweetspot

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



83.2894, 87.6047, 104.6164



92.1551, 96.9587, 108.4656



85.6715, 93.9240, 100.6163



19.7553, 20.7851, 23.2207



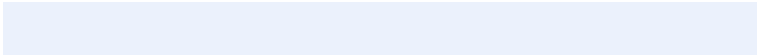
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.2894, 87.6047, 104.6164



83.8730, 88.2021, 107.2119



82.2946, 84.4969, 104.0690



16.7845, 17.6458, 21.9066



11.1386, 7.6329, 48.8598



1.1273, 0.8982, 4.5571

Inverse Universe

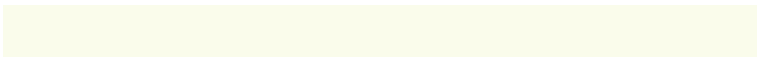
The Inverse Universe completely reimagines the original color for something new.



85.7324, 86.4647, 95.3942



86.8316, 86.8469, 96.0371



89.1360, 95.8952, 92.4103



17.4978, 17.3265, 19.2110



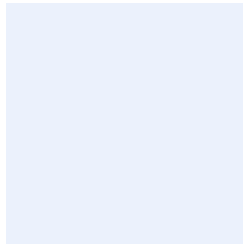
21.9143, 11.1814, 6.2571



2.0779, 1.0549, 0.8337

Previews

White Background



This preview shows how the XYZ color 83.2869, 87.6010, 104.6145 looks on a white background.

Color Contrast Check

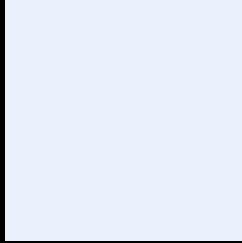
Large Text (above 18pt) WCAG AA × Fail

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 83.2869, 87.6010, 104.6145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

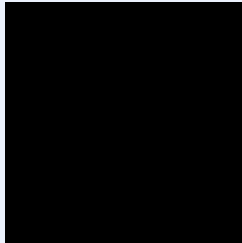
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

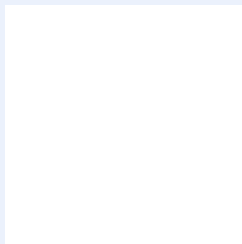
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2869, 87.6010, 104.6145

Background



This preview shows how black text looks on a background with the XYZ color 83.2869, 87.6010, 104.6145.



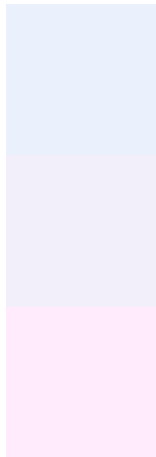
This preview shows how white text looks on a background with the XYZ color 83.2869, 87.6010, 104.6145.

104.6145.

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

83.2869, 87.6010, 104.6145

Protanopia

84.8970, 87.5753, 103.6960

Deuteranopia

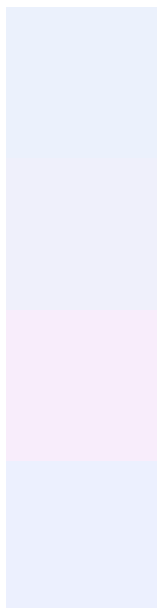
88.3609, 87.6417, 103.5262



Tritanopia

84.1351, 87.5447, 107.0712

Trichromacy



Original Color

83.2869, 87.6010, 104.6145

Protanomaly

84.1693, 87.6359, 103.7460

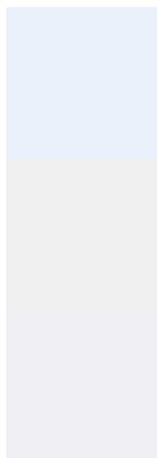
Deuteranomaly

86.4082, 87.4899, 103.5998

Tritanomaly

83.6416, 87.3088, 106.2098

Monochromacy



Original Color

83.2869, 87.6010, 104.6145

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.7491, 87.0290, 98.0249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2869, 87.6010, 104.6145 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(235, 241, 252)` looks like.

```
.text, #text, p{  
    color:rgb(235, 241, 252)  
}
```

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(235, 241, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 241, 252) }
```

Border

The CSS property to change the border of an element to XYZ 83.2869, 87.6010, 104.6145 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(235, 241, 252) }
```


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

```
.border{ border-color:rgb(235, 241, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 241, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 241, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 241, 252);  
box-shadow:4px 4px 4px 4px rgb(235, 241,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2869, 87.6010, 104.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 241, 252) }
```

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

```
.background{ background-color: rgb(235,  
241, 252) }
```

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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