

Converting Colors

XYZ(84.2512, 87.8674,
101.4807)

Have a look what the booklet for
XYZ(84.2512, 87.8674, 101.4807)
contains.

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Color

**XYZ(84.0385, 87.6228,
101.2905)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F0F8
RGB	240, 240, 248
RGB Percent	94%, 94%, 97%
CMY	0.0588, 0.0588, 0.0274
CMYK	0.03, 0.03, 0.00, 0.03
HSL	240°, 36%, 96%
HSV	240°, 3%, 97%
XYZ	84.0385, 87.6228, 101.2905
YIQ	240.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

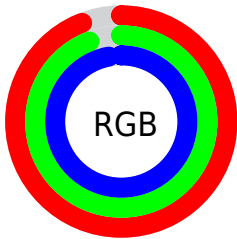
Format	Color
R _Y B	240, 240, 248
Decimal	15790328
CIE Lab	95.00, 1.44, -3.86
CIE LCh	95, 4.117, 290.512
Yxy	87.6228, 0.3079, 0.3210
Android (android.graphics.Color)	4293980408 (0xFF0F0F8)
YUV	240.9120, 3.4944, -0.7998
Hunter-Lab	93.6071, -3.5587, 1.3683

Details

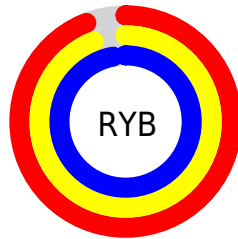
The XYZ color **84.0385, 87.6228, 101.2905** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0069, 93.3813, 95.8252**, and the grayscale version is **83.5169, 87.8663, 95.6864**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4221, 48.2771, 56.7409** is the 20% darker color. If you saturate the color by 10%, you get **69.3833, 69.9675, 98.6564**, and if you desaturate by 10%, it is **93.9435, 99.5574, 103.0734**.

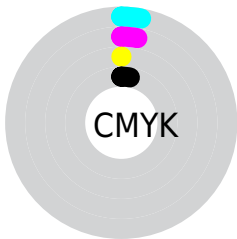
Distribution



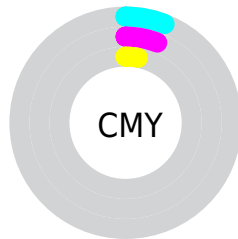
- Red (94%)
- Green (94%)
- Blue (97%)



- 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 84.0385, 87.6228, 101.2905 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 84.0385, 87.6228, 101.2905 by changing the saturation by 10% instead.

84.0385, 87.6228,
101.2905

84.0385, 87.6228,
101.2905

496.9728,
520.2672, 585.6042

63.3670, 66.0107,
76.7558

137.9500,
144.0319, 164.9968

46.3980, 48.2811,
56.5421

171.9208,
179.5977, 205.0056

32.7659, 34.0496,
40.2309

211.0553,
220.5836, 251.0094

22.1056, 22.9317,
27.4034

255.7191,
267.3739, 303.4269

14.0515, 14.5431,
17.6413

306.2773,
320.3530, 362.6766

8.2385, 8.4993,
10.5260

363.0955,

4.3010, 4.4161,

379.9053, 429.1770

5.6390

426.5388,
446.4152, 503.3467

■ 1.8738, 1.9089,
2.5616

■ 0.5615, 0.5537,
0.8725

■ 84.0385, 87.6228,
101.2905

■ 84.0385, 87.6228,
101.2905

■ 69.3833, 69.9675,
98.6564

■ 93.9435, 99.5574,
103.0734

■ 56.7863, 54.7907,
96.3909

■ 46.1577, 41.9850,
94.4794

■ 37.3982, 31.4308,
92.9039

■ 30.3998, 22.9978,
91.6450

■ 25.0432, 16.5428,
90.6814

■ 21.1948, 11.9045,
89.9890

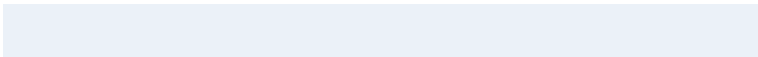
■ 18.6999, 8.8968,
89.5399

■ 17.3704, 7.2933,
89.3005

Harmonies

Analogous

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



82.9289, 87.6228, 101.6095



84.0385, 87.6228, 101.2905



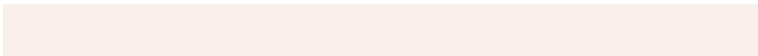
84.9532, 87.6228, 99.3759

Triad

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



84.0385, 87.6228, 101.2905



84.6576, 87.6228, 90.7326



81.1802, 87.6228, 94.3949

Complementary

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



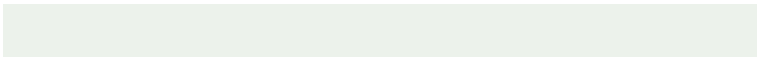
84.0385, 87.6228, 101.2905



88.0069, 93.3813, 95.8252

Split Complementary

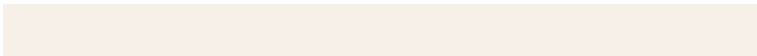
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6345, 87.6228, 91.5440



84.0385, 87.6228, 101.2905



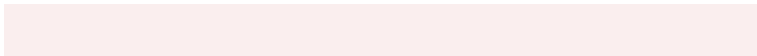
83.6378, 87.6228, 89.4610

Square

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



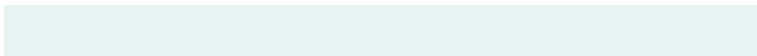
84.0385, 87.6228, 101.2905



85.3128, 87.6228, 93.2649



82.5317, 87.6228, 89.7546



81.2853, 87.6228, 97.5803

Rectangle

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



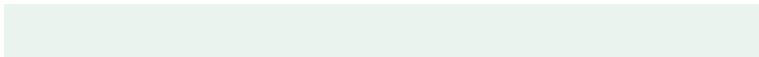
84.0385, 87.6228, 101.2905



85.3262, 87.6228, 97.4753



82.5317, 87.6228, 89.7546



81.2724, 87.6228, 93.3668

Sweetspot

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



84.0410, 87.6265, 101.2924



93.3104, 97.9042, 108.5872



86.4264, 92.4305, 101.9855



19.9906, 20.9776, 23.2454



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.



84.0410, 87.6265, 101.2924



88.2300, 91.7837, 107.6735



85.3666, 88.3080, 101.3541



17.8273, 18.5041, 22.0173



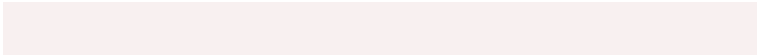
9.1539, 3.6633, 48.1982



0.8481, 0.3398, 4.4641

Inverse Universe

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



85.6015, 88.5694, 95.0265



90.2837, 93.0246, 99.4277



86.6513, 92.6844, 95.7621



18.3238, 18.8040, 20.0241



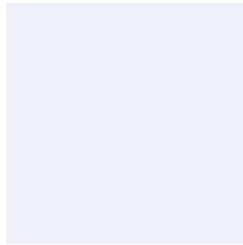
20.9125, 10.7807, 0.9816



1.9370, 0.9985, 0.0916

Previews

White Background



This preview shows how the XYZ color 84.0385, 87.6228, 101.2905 looks on a white background.

Color Contrast Check

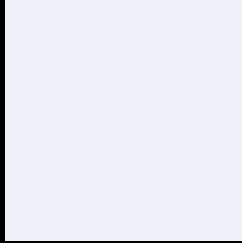
Large Text (above 18pt) WCAG AA × Fail

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 84.0385, 87.6228, 101.2905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

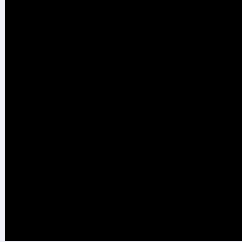
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

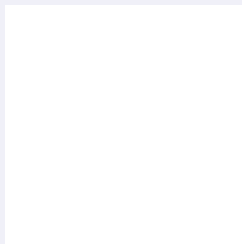
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0385, 87.6228, 101.2905

Background



This preview shows how black text looks on a background with the XYZ color 84.0385, 87.6228, 101.2905.



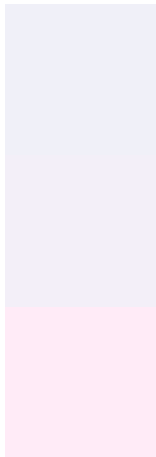
This preview shows how white text looks on a background with the XYZ color 84.0385, 87.6228,

101.2905.

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

84.0385, 87.6228, 101.2905

Protanopia

84.7719, 87.5650, 101.2407

Deuteranopia

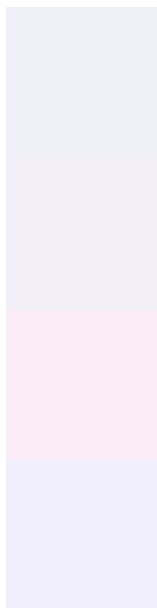
87.7368, 87.3921, 100.2398



Tritanopia

85.1921, 87.6538, 107.0365

Trichromacy



Original Color

84.0385, 87.6228, 101.2905

Protanomaly

84.4277, 87.3876, 101.2246

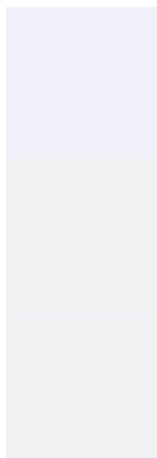
Deuteranomaly

86.4970, 87.6078, 100.3468

Tritanomaly

84.7128, 87.4621, 104.5125

Monochromacy



Original Color

84.0385, 87.6228, 101.2905

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.0601, 88.1430, 98.1708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0385, 87.6228, 101.2905 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(240, 240, 248) looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 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(240, 240, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 248) }
```

Border

The CSS property to change the border of an element to XYZ 84.0385, 87.6228, 101.2905 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(240, 240, 248) }
```


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

```
.border{ border-color:rgb(240, 240, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 240, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 248);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0385, 87.6228, 101.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 248) }
```

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

```
.background{ background-color: rgb(240,  
240, 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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