

Converting Colors

XYZ(82.3312, 86.9630,
106.4582)

Have a look what the booklet for
XYZ(82.3312, 86.9630, 106.4582)
contains.

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Color

**XYZ(82.2997, 87.0553,
106.2316)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F1FE
RGB	231, 241, 254
RGB Percent	91%, 95%, 100%
CMY	0.0941, 0.0549, 0.0039
CMYK	0.09, 0.05, 0.00, 0.00
HSL	214°, 92%, 95%
HSV	214°, 9%, 100%
XYZ	82.2997, 87.0553, 106.2316
YIQ	239.4920, -10.1330, 1.9230

Conversions

Conversions Part 2

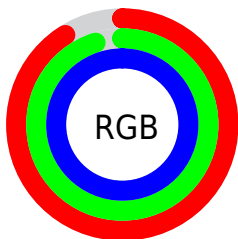
Format	Color
R _Y B	231, 238, 254
Decimal	15200766
CIE Lab	94.76, -0.85, -7.39
CIE LCh	95, 7.444, 263.405
Yxy	87.0553, 0.2986, 0.3159
Android (android.graphics.Color)	4293390846 (0xFFE7F1FE)
YUV	239.4920, 7.1524, -7.4475
Hunter-Lab	93.3034, -5.8324, -2.1929

Details

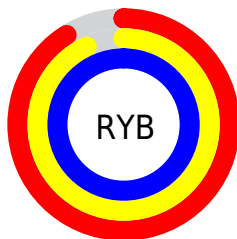
The XYZ color **82.2997, 87.0553, 106.2316** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.6479, 91.5411, 88.6525**, and the grayscale version is **82.3813, 86.6715, 94.3853**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1062, 47.8431, 59.6806** is the 20% darker color. If you saturate the color by 10%, you get **70.6071, 74.9692, 104.5164**, and if you desaturate by 10%, it is **94.8896, 99.9359, 108.0556**.

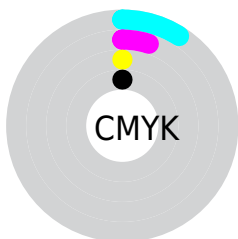
Distribution



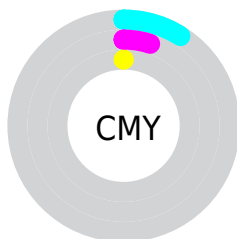
- Red (91%)
- Green (95%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2997, 87.0553, 106.2316 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 82.2997, 87.0553, 106.2316 by changing the saturation by 10% instead.

82.2997, 87.0553,
106.2316

82.2997, 87.0553,
106.2316

491.2689,
518.4046, 601.4088

61.9276, 65.5410,
80.8691

135.5278,
143.2412, 171.8211

45.2295, 47.8999,
59.9035

169.1145,
178.6816, 212.8852

31.8403, 33.7476,
42.9160

207.8368,
219.5328, 260.0202

21.3945, 22.6998,
29.4883

252.0600,
266.1792, 313.6448

13.5268, 14.3720,
19.2018

302.1494,
319.0051, 374.1774

7.8718, 8.3798,
11.6379

358.4705,

4.0641, 4.3389,

378.3951, 442.0366

6.3781

421.3885,
444.7334, 517.6409

■ 1.7385, 1.8649,
3.0038

■ 0.4802, 0.5272,
1.0966

■ 82.2997, 87.0553,
106.2316

■ 82.2997, 87.0553,
106.2316

■ 70.6071, 74.9692,
104.5164

94.8896, 99.9359,
108.0556

■ 60.3776, 64.1206,
102.9615

■ 51.5513, 54.4690,
101.5638

■ 44.0605, 45.9674,
100.3176

■ 37.8318, 38.5651,
99.2171

■ 32.7840, 32.2070,
98.2559

■ 28.8252, 26.8317,
97.4270

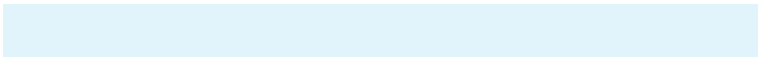
■ 25.8475, 22.3688,
96.7226

■ 23.6953, 18.7226,
96.1322

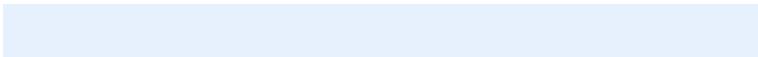
Harmonies

Analogous

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



80.4574, 87.0553, 103.9693



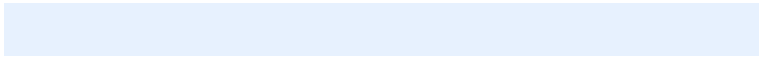
82.2997, 87.0553, 106.2316



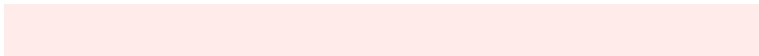
84.2904, 87.0553, 105.3293

Triad

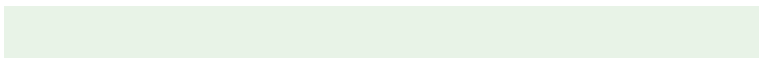
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2997, 87.0553, 106.2316



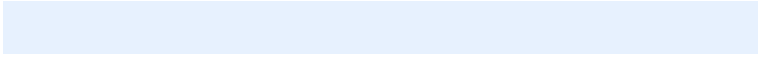
86.3465, 87.0553, 90.4532



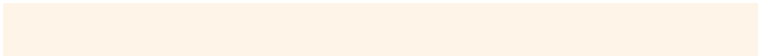
79.6747, 87.0553, 88.3326

Complementary

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



82.2997, 87.0553, 106.2316



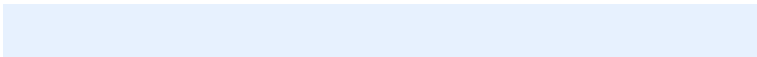
87.6479, 91.5411, 88.6525

Split Complementary

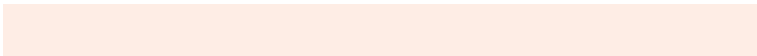
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2155, 87.0553, 84.9754



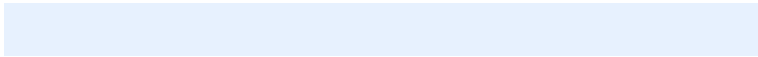
82.2997, 87.0553, 106.2316



85.0724, 87.0553, 86.1646

Square

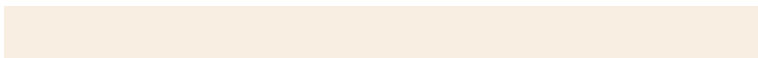
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2997, 87.0553, 106.2316



86.6481, 87.0553, 96.0673



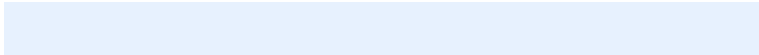
83.1888, 87.0553, 84.1980



78.9579, 87.0553, 93.5210

Rectangle

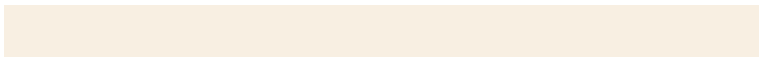
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2997, 87.0553, 106.2316



85.4316, 87.0553, 103.0719



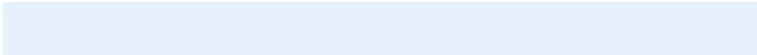
83.1888, 87.0553, 84.1980



80.1123, 87.0553, 86.9611

Sweetspot

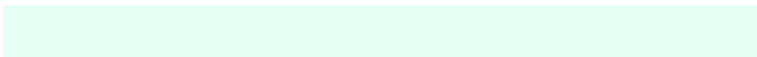
The Sweet Spot groups the original color and five complimentary colors.



82.3022, 87.0590, 106.2335



90.9278, 95.8507, 108.3164



84.6743, 94.3844, 99.0662



19.2316, 20.2830, 23.1513



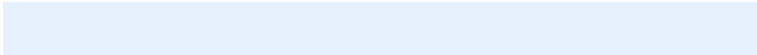
0.0000, 0.0000, 0.0000



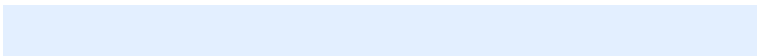
20.3446, 21.4041, 23.3091

Same Dimension

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



82.3022, 87.0590, 106.2335



80.6232, 85.3637, 106.8353



79.7943, 81.4901, 105.2908



17.6529, 18.6774, 22.9246



12.5387, 9.9870, 50.7014



1.3271, 1.1850, 4.9720

Inverse Universe

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



85.3281, 84.5753, 95.0508



84.2976, 82.4117, 93.2417



90.3204, 97.5091, 89.6636



18.3374, 18.1183, 20.3942



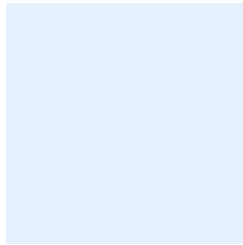
23.1172, 11.7362, 9.2674



2.3045, 1.1642, 1.1848

Previews

White Background



This preview shows how the XYZ color 82.2997, 87.0553, 106.2316 looks on a white background.

Color Contrast Check

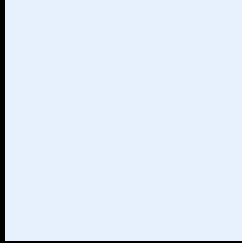
Large Text (above 18pt) WCAG AA × Fail

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 82.2997, 87.0553, 106.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

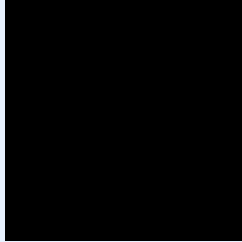
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

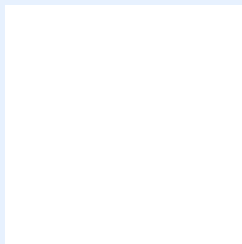
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.2997, 87.0553, 106.2316

Background



This preview shows how black text looks on a background with the XYZ color 82.2997, 87.0553, 106.2316.



This preview shows how white text looks on a background with the XYZ color 82.2997, 87.0553,

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

82.2997, 87.0553, 106.2316

Protanopia

84.0804, 86.7026, 104.3992

Deuteranopia

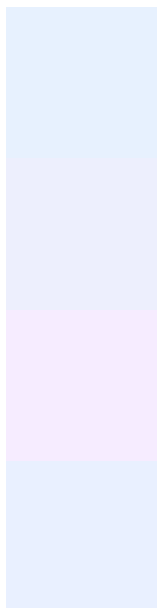
88.4289, 86.7578, 106.6930



Tritanopia

83.1418, 87.0326, 107.0247

Trichromacy



Original Color

82.2997, 87.0553, 106.2316

Protanomaly

83.5212, 86.8294, 105.2862

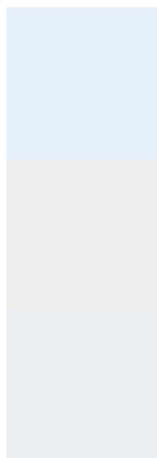
Deuteranomaly

86.0515, 86.8037, 106.8271

Tritanomaly

82.8144, 86.8638, 107.0093

Monochromacy



Original Color

82.2997, 87.0553, 106.2316

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.0813, 86.6847, 97.9936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.2997, 87.0553, 106.2316 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(231, 241, 254)` looks like.

```
.text, #text, p{  
    color:rgb(231, 241, 254)  
}
```

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(231, 241, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 241, 254) }
```

Border

The CSS property to change the border of an element to XYZ 82.2997, 87.0553, 106.2316 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(231, 241, 254) }
```


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

```
.border{ border-color:rgb(231, 241, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 241, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 241, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 241, 254);  
box-shadow:4px 4px 4px 4px rgb(231, 241,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 82.2997, 87.0553, 106.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 241, 254) }
```

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

```
.background{ background-color: rgb(231,  
241, 254) }
```

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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