

Converting Colors

XYZ(86.3481, 90.9007,
107.6023)

Have a look what the booklet for
XYZ(86.3481, 90.9007, 107.6023)
contains.

XYZ(86.2990, 90.8755, 107.6000)	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(86.2990, 90.8755,
107.6000)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF5FF
RGB	239, 245, 255
RGB Percent	94%, 96%, 100%
CMY	0.0627, 0.0392, 0.0000
CMYK	0.06, 0.04, 0.00, 0.00
HSL	217°, 100%, 97%
HSV	217°, 6%, 100%
XYZ	86.2990, 90.8755, 107.6000
YIQ	244.3460, -6.7860, 1.8380

Conversions

Conversions Part 2

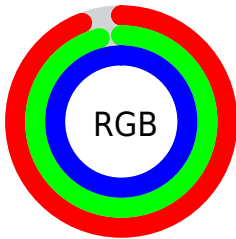
Format	Color
R _Y B	239, 243, 255
Decimal	15726079
CIE Lab	96.36, -0.14, -5.49
CIE LCh	96, 5.491, 268.528
Yxy	90.8755, 0.3030, 0.3191
Android (android.graphics.Color)	4293916159 (0xFFEFF5FF)
YUV	244.3460, 5.2524, -4.6884
Hunter-Lab	95.3286, -5.2329, -0.1922

Details

The XYZ color **86.2990, 90.8755, 107.6000** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.6949, 95.2413, 95.2662**, and the grayscale version is **86.2313, 90.7220, 98.7963**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9191, 50.5397, 60.6556** is the 20% darker color. If you saturate the color by 10%, you get **73.6765, 77.5214, 105.6877**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

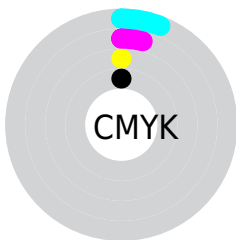
Distribution



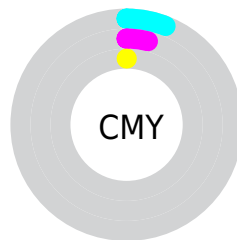
- Red (94%)
- Green (96%)
- Blue (100%)



- Red (94%)
- Yellow (95%)
- Blue (100%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.2990, 90.8755, 107.6000 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 86.2990, 90.8755, 107.6000 by changing the saturation by 10% instead.

86.2990, 90.8755,
107.6000

86.2990, 90.8755,
107.6000

504.3358,
530.8747, 605.7473

65.2413, 68.7070,
82.0105

141.0913,
148.5539, 173.7054

47.9222, 50.4731,
60.8383

175.5567,
184.8326, 215.0583

33.9763, 35.7895,
43.6650

215.2221,
226.5835, 262.5028

23.0382, 24.2717,
30.0719

260.4528,
274.1910, 316.4574

14.7426, 15.5353,
19.6407

311.6141,
328.0395, 377.3406

8.7240, 9.1959,
11.9527

369.0715,

4.6173, 4.8692,

388.5133, 445.5710

6.5893

433.1903,
455.9969, 521.5670

■ 2.0569, 2.1707,
3.1321

■ 0.6656, 0.7040,
1.1625

■ 86.2990, 90.8755,
107.6000

■ 86.2990, 90.8755,
107.6000

■ 73.6765, 77.5214,
105.6877

95.0500, 100.0000,
108.9000

■ 62.6201, 65.5727,
103.9641

■ 53.0673, 54.9836,
102.4237

■ 44.9483, 45.7015,
101.0600

■ 38.1877, 37.6697,
99.8660

■ 32.7022, 30.8271,
98.8344

■ 28.3989, 25.1062,
97.9569

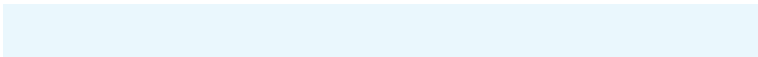
■ 25.1700, 20.4309,
97.2247

■ 22.8840, 16.7114,
96.6273

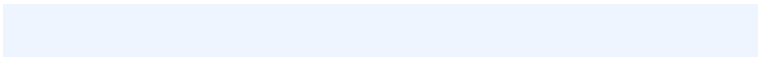
Harmonies

Analogous

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



84.8496, 90.8755, 106.2993



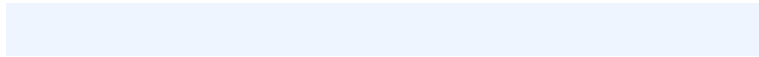
86.2990, 90.8755, 107.6000



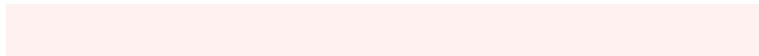
87.7852, 90.8755, 106.5262

Triad

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



86.2990, 90.8755, 107.6000



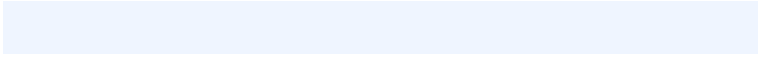
88.9815, 90.8755, 94.9836



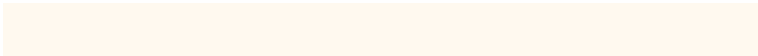
83.8928, 90.8755, 94.6198

Complementary

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



86.2990, 90.8755, 107.6000



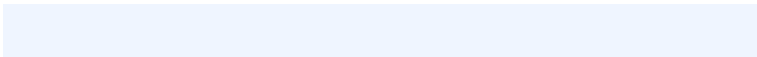
90.6949, 95.2413, 95.2662

Split Complementary

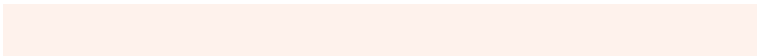
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9789, 90.8755, 91.7380



86.2990, 90.8755, 107.6000



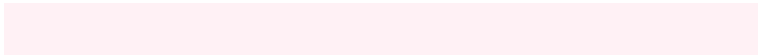
87.9174, 90.8755, 91.9436

Square

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



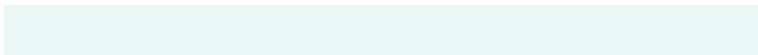
86.2990, 90.8755, 107.6000



89.3449, 90.8755, 99.1642



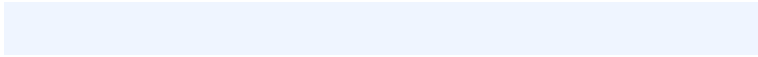
86.4499, 90.8755, 90.7726



83.4706, 90.8755, 98.7320

Rectangle

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



86.2990, 90.8755, 107.6000



88.5946, 90.8755, 104.6255



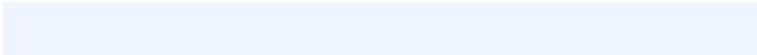
86.4499, 90.8755, 90.7726



84.1917, 90.8755, 93.4796

Sweetspot

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



86.3014, 90.8792, 107.6006



92.1905, 97.0295, 108.4773



88.4355, 96.7024, 103.5185



19.7626, 20.7995, 23.2231



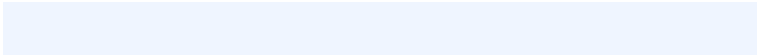
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



86.3014, 90.8792, 107.6006



84.0072, 88.4706, 107.2566



85.1478, 87.6318, 107.0346



17.5615, 18.4946, 22.8942



11.7340, 8.3777, 50.4332



1.2434, 1.0174, 4.9441

Inverse Universe

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



88.5894, 89.5871, 99.0135



86.8994, 86.8740, 96.3940



91.8969, 98.6598, 95.8627



18.2913, 18.0998, 20.1512



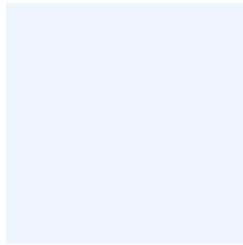
22.7110, 11.5737, 7.1286



2.2622, 1.1473, 0.9622

Previews

White Background



This preview shows how the XYZ color 86.2990, 90.8755, 107.6000 looks on a white background.

Color Contrast Check

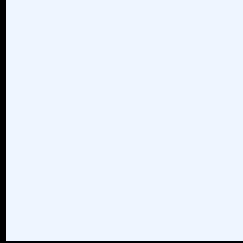
Large Text (above 18pt) WCAG AA × Fail

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 86.2990, 90.8755, 107.6000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

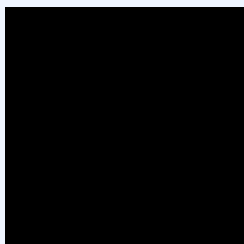
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

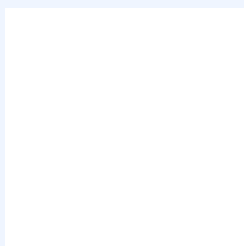
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.2990, 90.8755, 107.6000

Background



This preview shows how black text looks on a background with the XYZ color 86.2990, 90.8755, 107.6000.



This preview shows how white text looks on a background with the XYZ color 86.2990, 90.8755,

107.6000.

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

86.2990, 90.8755, 107.6000

Protanopia

87.9460, 90.8498, 106.6664

Deuteranopia

89.9708, 90.6085, 104.8427



Tritanopia

87.0186, 90.7986, 107.5473

Trichromacy



Original Color

86.2990, 90.8755, 107.6000

Protanomaly

87.2022, 90.9118, 106.7176

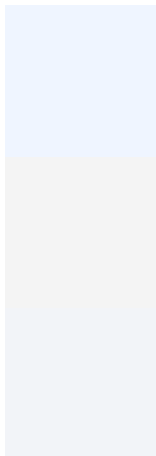
Deuteranomaly

88.5487, 90.7358, 105.7753

Tritanomaly

86.6763, 90.6221, 107.5312

Monochromacy



Original Color

86.2990, 90.8755, 107.6000

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.9119, 90.3559, 101.7193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.2990, 90.8755, 107.6000 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 255)  
}
```

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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.2990, 90.8755, 107.6000 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, 245, 255) }
```


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

```
.border{ border-color:rgb(239, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(239, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.2990, 90.8755, 107.6000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 245, 255) }
```

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

```
.background{ background-color: rgb(239,  
245, 255) }
```

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