

Converting Colors

XYZ(86.8355, 96.1014, 93.3296)

Have a look what the booklet for
XYZ(86.8355, 96.1014, 93.3296)
contains.

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Color

**XYZ(86.8355, 96.1014,
93.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFEC
RGB	240, 255, 236
RGB Percent	94%, 100%, 93%
CMY	0.0588, 0.0000, 0.0745
CMYK	0.06, 0.00, 0.07, 0.00
HSL	107°, 100%, 96%
HSV	107°, 7%, 100%
XYZ	86.8355, 96.1014, 93.3296
YIQ	248.3490, -2.8410, -9.0890

Conversions

Conversions Part 2

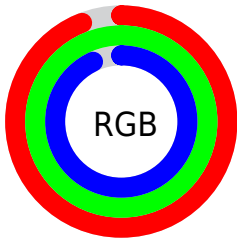
Format	Color
R_{YB}	236, 255, 251
Decimal	15794156
CIE _{Lab}	98.47, -8.25, 7.38
CIE _{LCh}	98, 11.072, 138.178
Yxy	96.1014, 0.3143, 0.3479
Android (android.graphics.Color)	4293984236 (0xFFFF0FFEC)
YUV	248.3490, -6.0881, -7.3221
Hunter-Lab	98.0313, -13.4407, 12.1756

Details

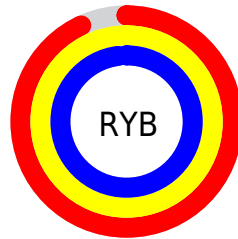
The XYZ color **86.8355, 96.1014, 93.3296** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8298, 87.7213, 106.9105**, and the grayscale version is **89.5580, 94.2220, 102.6078**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1995, 53.8738, 51.0383** is the 20% darker color. If you saturate the color by 10%, you get **76.9313, 91.3935, 74.8871**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

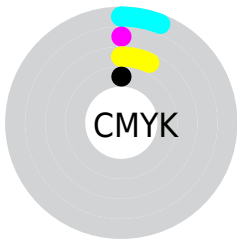
Distribution



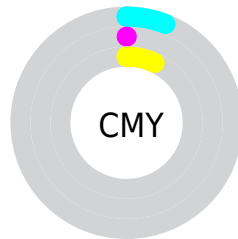
- Red (94%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (98%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.8355, 96.1014, 93.3296 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 86.8355, 96.1014, 93.3296 by changing the saturation by 10% instead.


 86.8355, 96.1014,
93.3296

 86.8355, 96.1014,
93.3296


506.0748,
547.6850, 559.6506

 65.6867, 73.0520,
70.1563

141.8357,
155.7854, 153.9305

 48.2849, 54.0185,
51.1764


176.4177,
193.1887, 192.1952

 34.2647, 38.6164,
35.9713


216.2082,
236.1455, 236.3274

 23.2609, 26.4615,
24.1225

261.5725,
285.0402, 286.7457

 14.9080, 17.1692,
15.2115

312.8760,
340.2570, 343.8687

 8.8407, 10.3552,
8.8197

370.4839,

 4.6937, 5.6351,

402.1805, 408.1147

4.5285

434.7618,
471.1951, 479.9025

■ 2.1016, 2.6245,
1.9196

■ 0.6901, 0.9390,
0.5051

■ 86.8355, 96.1014,
93.3296

■ 86.8355, 96.1014,
93.3296

■ 76.9313, 91.3935,
74.8871

95.0500, 100.0000,
108.9000

■ 68.2667, 87.2662,
59.1460

■ 60.7926, 83.6968,
45.9807

■ 54.4556, 80.6609,
35.2539

■ 49.1984, 78.1320,
26.8158

■ 44.9582, 76.0815,
20.4997

■ 41.6654, 74.4776,
16.1165

■ 39.2409, 73.2843,
13.4437

■ 37.5884, 72.4585,
12.1915

Harmonies

Analogous

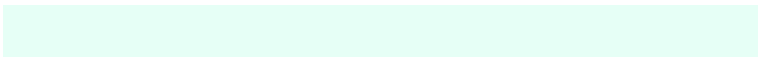
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4366, 96.1014, 88.7833



86.8355, 96.1014, 93.3296



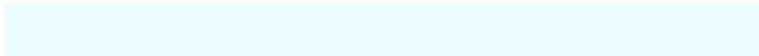
85.4544, 96.1014, 101.0718

Triad

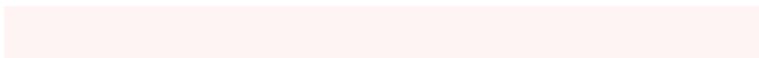
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8355, 96.1014, 93.3296



90.0876, 96.1014, 122.8378



97.3088, 96.1014, 99.2399

Complementary

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



86.8355, 96.1014, 93.3296



87.8298, 87.7213, 106.9105

Split Complementary

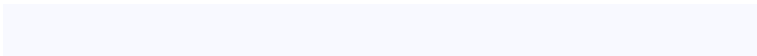
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.4930, 96.1014, 108.2873



86.8355, 96.1014, 93.3296



93.2732, 96.1014, 122.2762

Square

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



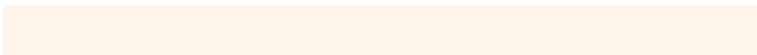
86.8355, 96.1014, 93.3296



87.3025, 96.1014, 118.3174



96.0007, 96.1014, 116.8250



95.5032, 96.1014, 92.0560

Rectangle

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



86.8355, 96.1014, 93.3296



85.3895, 96.1014, 107.1632



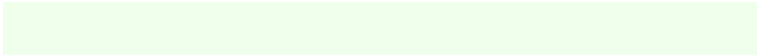
96.0007, 96.1014, 116.8250



97.5639, 96.1014, 102.1529

Sweetspot

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



86.8363, 96.1018, 93.3311



92.7738, 98.9202, 104.5641



90.8415, 96.2380, 93.1463



19.8813, 21.1843, 22.4264



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.



86.8363, 96.1018, 93.3311



85.2181, 95.3332, 90.2908



86.2874, 95.7271, 97.4500



18.1288, 20.3523, 19.1172



19.5707, 37.8271, 6.2699



1.9916, 3.7275, 0.6145

Inverse Universe

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



87.8298, 87.7213, 106.9105



86.4054, 85.3165, 106.5214



88.4313, 88.1301, 102.4781



18.3963, 18.0960, 22.7732



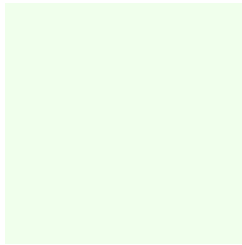
22.1917, 10.3507, 50.2628



2.2500, 1.0538, 4.8981

Previews

White Background



This preview shows how the XYZ color 86.8355, 96.1014, 93.3296 looks on a white background.

Color Contrast Check

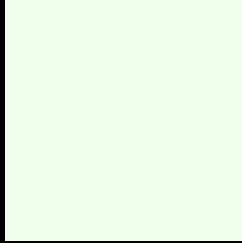
Large Text (above 18pt) WCAG AA × Fail

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 86.8355, 96.1014, 93.3296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

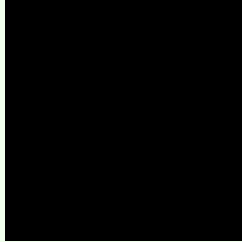
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

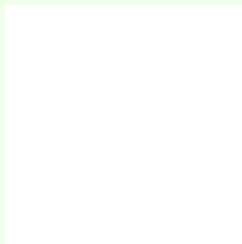
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8355, 96.1014, 93.3296

Background



This preview shows how black text looks on a background with the XYZ color 86.8355, 96.1014, 93.3296.



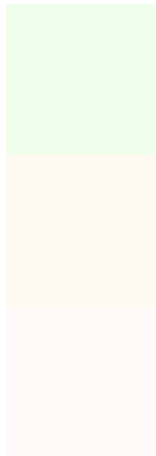
This preview shows how white text looks on a background with the XYZ color 86.8355, 96.1014,

93.3 96.

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

86.8355, 96.1014, 93.3296

Protanopia

91.3028, 95.9821, 96.9333

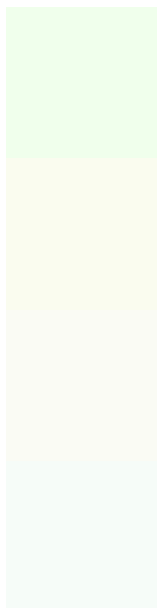
Deuteranopia

92.2146, 95.8509, 103.2634

Tritanopia

91.3025, 95.7310, 108.2735

Trichromacy



Original Color

86.8355, 96.1014, 93.3296

Protanomaly

89.8147, 96.1768, 95.4916

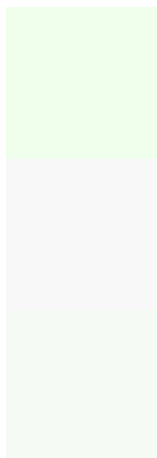
Deuteranomaly

90.2507, 95.8500, 99.3321

Tritanomaly

89.7597, 95.9909, 102.6042

Monochromacy



Original Color

86.8355, 96.1014, 93.3296

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.4825, 94.9385, 99.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8355, 96.1014, 93.3296 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, 255, 236) looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 236)  
}
```

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, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 86.8355, 96.1014, 93.3296 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, 255, 236) }
```


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

```
.border{ border-color:rgb(240, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8355, 96.1014, 93.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 236) }
```

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

```
.background{ background-color: rgb(240,  
255, 236) }
```

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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