

Converting Colors

XYZ(86.6130, 95.8573, 99.1652)

Have a look what the booklet for
XYZ(86.6130, 95.8573, 99.1652)
contains.

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Color

**XYZ(86.6812, 95.8845,
99.5269)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFF4
RGB	236, 255, 244
RGB Percent	93%, 100%, 96%
CMY	0.0745, 0.0000, 0.0431
CMYK	0.07, 0.00, 0.04, 0.00
HSL	145°, 100%, 96%
HSV	145°, 7%, 100%
XYZ	86.6812, 95.8845, 99.5269
YIQ	248.0650, -7.7930, -7.4490

Conversions

Conversions Part 2

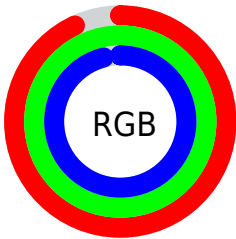
Format	Color
R _Y B	236, 249, 255
Decimal	15532020
CIE Lab	98.39, -8.17, 3.12
CIE LCh	98, 8.742, 159.099
Yxy	95.8845, 0.3073, 0.3399
Android (android.graphics.Color)	4293722100 (0xFFE0FF4)
YUV	248.0650, -2.0040, -10.5810
Hunter-Lab	97.9206, -13.3495, 8.2819

Details

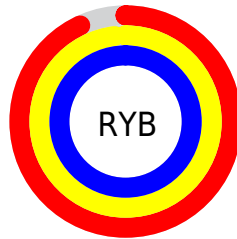
The XYZ color **86.6812, 95.8845, 99.5269** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.0245, 87.9673, 100.3357**, and the grayscale version is **89.2962, 93.9466, 102.3078**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0936, 53.7223, 55.4116** is the 20% darker color. If you saturate the color by 10%, you get **76.6578, 90.9660, 87.8222**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

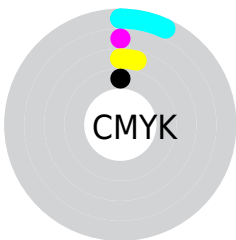
Distribution



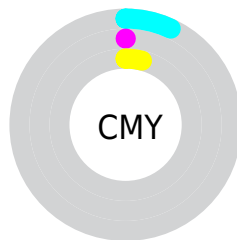
- Red (93%)
- Green (100%)
- Blue (96%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.6812, 95.8845, 99.5269 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 86.6812, 95.8845, 99.5269 by changing the saturation by 10% instead.


 86.6812, 95.8845,
99.5269

 86.6812, 95.8845,
99.5269


505.5750,
546.9927, 579.9085

 65.5586, 72.8714,
75.2908


141.6216,
155.4860, 162.5531

 48.1805, 53.8708,
55.3480


176.1702,
192.8432, 202.1803

 34.1817, 38.4984,
39.2799


215.9247,
235.7505, 247.7749

 23.1968, 26.3697,
26.6681


261.2506,
284.5923, 299.7555

 14.8604, 17.1004,
17.0939

312.5132,
339.7530, 358.5406

 8.8071, 10.3061,
10.1388

370.0779,

 4.6717, 5.6024,

401.6171, 424.5488

5.3843

434.3101,
470.5689, 498.1986

■ 2.0887, 2.6049,
2.4118

■ 0.6831, 0.9291,
0.7928

■ 86.6812, 95.8845,
99.5269

■ 86.6812, 95.8845,
99.5269

■ 76.6578, 90.9660,
87.8222

95.0500, 100.0000,
108.9000

■ 67.9667, 86.7140,
77.0938

■ 60.5499, 83.0992,
67.3178

■ 54.3438, 80.0893,
58.4677

■ 49.2794, 77.6492,
50.5156

■ 45.2799, 75.7401,
43.4324

■ 42.2591, 74.3179,
37.1871

■ 40.1155, 73.3310,
31.7465

■ 38.7185, 72.7128,
27.0745

Harmonies

Analogous

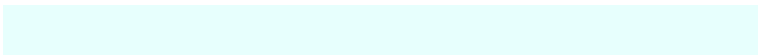
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1121, 95.8845, 93.9940



86.6812, 95.8845, 99.5269



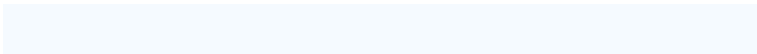
86.4319, 95.8845, 106.6130

Triad

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



86.6812, 95.8845, 99.5269



91.9041, 95.8845, 118.7195



94.9494, 95.8845, 95.8886

Complementary

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



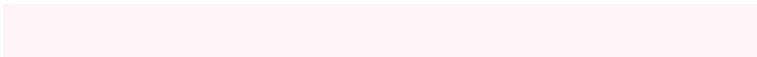
86.6812, 95.8845, 99.5269



88.0245, 87.9673, 100.3357

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.



96.0063, 95.8845, 102.2217



86.6812, 95.8845, 99.5269



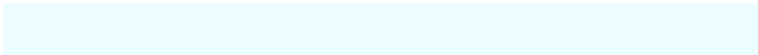
94.2270, 95.8845, 115.5512

Square

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



86.6812, 95.8845, 99.5269



89.4168, 95.8845, 117.9164



95.7395, 95.8845, 109.4336



92.8757, 95.8845, 91.9616

Rectangle

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



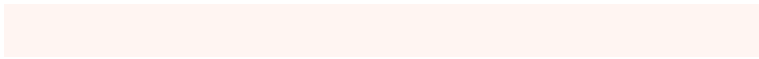
86.6812, 95.8845, 99.5269



86.9648, 95.8845, 111.3004



95.7395, 95.8845, 109.4336



95.4371, 95.8845, 97.7945

Sweetspot

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



86.6821, 95.8849, 99.5284



92.7267, 98.8568, 106.3290



89.2880, 97.3657, 93.4457



19.8717, 21.1714, 22.7859



0.0000, 0.0000, 0.0000



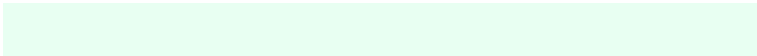
20.3446, 21.4041, 23.3091

Same Dimension

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



86.6821, 95.8849, 99.5284



85.0390, 95.0778, 97.6493



88.1488, 96.4716, 107.2520



18.0889, 20.2951, 20.7711



20.1532, 37.9579, 13.9577



2.0154, 3.7171, 1.6388

Inverse Universe

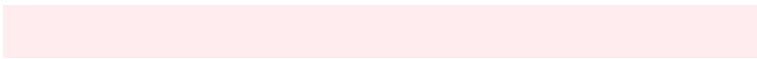
The Inverse Universe completely reimagines the original color for something new.



88.0245, 87.9673, 100.3357



86.6435, 85.6145, 98.6140



86.6077, 87.4006, 92.8749



18.4503, 18.1634, 20.9884



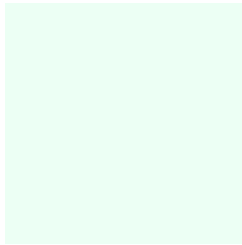
24.4024, 12.2503, 16.0354



2.4306, 1.2146, 1.8488

Previews

White Background



This preview shows how the XYZ color 86.6812, 95.8845, 99.5269 looks on a white background.

Color Contrast Check

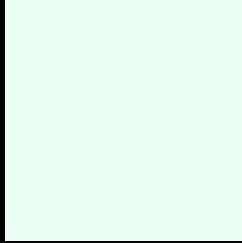
Large Text (above 18pt) WCAG AA × Fail

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 86.6812, 95.8845, 99.5269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

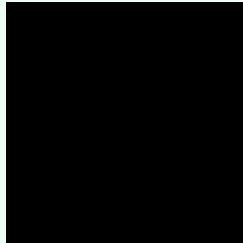
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

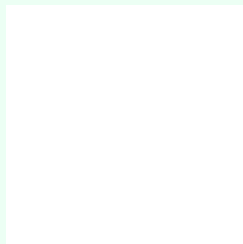
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.6812, 95.8845, 99.5269

Background



This preview shows how black text looks on a background with the XYZ color 86.6812, 95.8845, 99.5269.

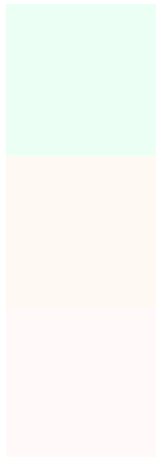


This preview shows how white text looks on a background with the XYZ color 86.6812, 95.8845,

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

86.6812, 95.8845, 99.5269

Protanopia

91.2933, 95.4824, 98.4123

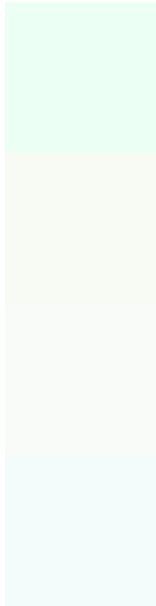
Deuteranopia

92.3710, 95.9135, 104.0872

Tritanopia

90.9470, 95.5477, 108.2569

Trichromacy



Original Color

86.6812, 95.8845, 99.5269

Protanomaly

89.3862, 95.4219, 98.5011

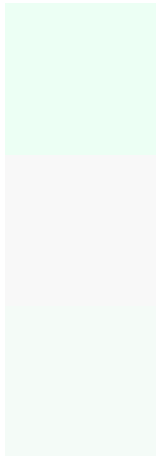
Deuteranomaly

90.1519, 95.7281, 102.5328

Tritanomaly

89.5312, 95.8189, 105.0429

Monochromacy



Original Color

86.6812, 95.8845, 99.5269

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.5939, 94.9429, 101.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.6812, 95.8845, 99.5269 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(236, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 244)  
}
```

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(236, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 86.6812, 95.8845, 99.5269 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(236, 255, 244) }
```


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

```
.border{ border-color:rgb(236, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 86.6812, 95.8845, 99.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 244) }
```

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

```
.background{ background-color: rgb(236,  
255, 244) }
```

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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