

Converting Colors

XYZ(87.9271, 96.4901,
101.2427)

Have a look what the booklet for
XYZ(87.9271, 96.4901, 101.2427)
contains.

XYZ(87.9912, 96.5245, 101.1822)	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(87.9912, 96.5245,
101.1822)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFF6
RGB	239, 255, 246
RGB Percent	94%, 100%, 96%
CMY	0.0627, 0.0000, 0.0353
CMYK	0.06, 0.00, 0.04, 0.00
HSL	146°, 100%, 97%
HSV	146°, 6%, 100%
XYZ	87.9912, 96.5245, 101.1822
YIQ	249.1900, -6.6470, -6.1910

Conversions

Conversions Part 2

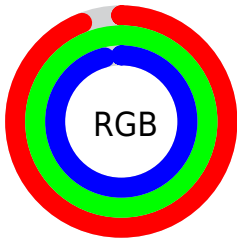
Format	Color
R_{YB}	239, 250, 255
Decimal	15728630
CIE _{Lab}	98.64, -6.83, 2.49
CIE _{LCh}	99, 7.269, 159.999
Yxy	96.5245, 0.3080, 0.3379
Android (android.graphics.Color)	4293918710 (0xFFEFFFF6)
YUV	249.1900, -1.5727, -8.9366
Hunter-Lab	98.2469, -12.0651, 7.7114

Details

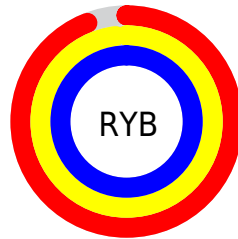
The XYZ color **87.9912, 96.5245, 101.1822** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.0504, 89.7715, 101.4413**, and the grayscale version is **90.2148, 94.9130, 103.3602**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0168, 54.1732, 56.5882** is the 20% darker color. If you saturate the color by 10%, you get **77.8635, 91.5482, 89.6570**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

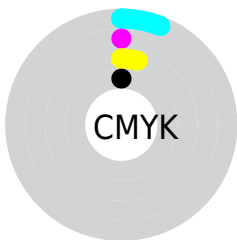
Distribution



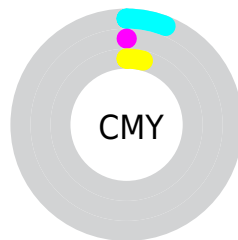
- Red (94%)
- Green (100%)
- Blue (96%)



- Red (94%)
- Yellow (98%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9912, 96.5245, 101.1822 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 87.9912, 96.5245, 101.1822 by changing the saturation by 10% instead.

87.9912, 96.5245,
101.1822

87.9912, 96.5245,
101.1822

509.8102,
549.0341, 585.2553

66.6465, 73.4045,
76.6658

143.4375,
156.3691, 164.8469

49.0671, 54.3068,
56.4687

178.2698,
193.8624, 204.8323

34.8875, 38.8470,
40.1723

218.3288,
236.9157, 250.8111

23.7423, 26.6407,
27.3581

263.9797,
285.9132, 303.2018

15.2663, 17.3036,
17.6076

315.5880,
341.2394, 362.4231

9.0940, 10.4512,
10.5021

373.5189,

4.8601, 5.6991,

403.2787, 428.8934

5.6232

438.1379,
472.4154, 503.0313

■ 2.1994, 2.6630,
2.5523

■ 0.7424, 0.9584,
0.8677

■ 87.9912, 96.5245,
101.1822

■ 87.9912, 96.5245,
101.1822

■ 77.8635, 91.5482,
89.6570

95.0500, 100.0000,
108.9000

■ 69.0651, 87.2379,
79.0600

■ 61.5388, 83.5646,
69.3696

■ 55.2221, 80.4966,
60.5612

■ 50.0470, 77.9994,
52.6095

■ 45.9383, 76.0347,
45.4876

■ 42.8114, 74.5593,
39.1674

■ 40.5676, 73.5231,
33.6185

■ 39.0850, 72.8637,
28.8082

Harmonies

Analogous

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



89.1656, 96.5245, 96.4635



87.9912, 96.5245, 101.1822



87.8136, 96.5245, 107.1251

Triad

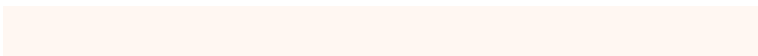
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9912, 96.5245, 101.1822



92.4485, 96.5245, 116.9373



94.8805, 96.5245, 97.8199

Complementary

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



87.9912, 96.5245, 101.1822



89.0504, 89.7715, 101.4413

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.



95.7892, 96.5245, 103.0982



87.9912, 96.5245, 101.1822



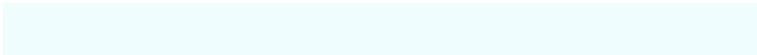
94.3709, 96.5245, 114.2346

Square

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



87.9912, 96.5245, 101.1822



90.3657, 96.5245, 116.3764



95.6013, 96.5245, 109.1151



93.1355, 96.5245, 94.5744

Rectangle

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



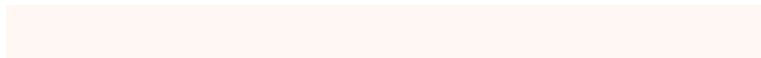
87.9912, 96.5245, 101.1822



88.2816, 96.5245, 111.0039



95.6013, 96.5245, 109.1151



95.2951, 96.5245, 99.4069

Sweetspot

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



87.9921, 96.5250, 101.1837



92.7400, 98.8621, 106.3991



90.0756, 97.7209, 95.7775



19.8744, 21.1725, 22.8001



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.



87.9921, 96.5250, 101.1837



86.1462, 95.6170, 99.1265



89.2360, 97.0226, 107.7341



18.1017, 20.3002, 20.8383



20.2731, 38.0058, 14.5892



2.0277, 3.7220, 1.7035

Inverse Universe

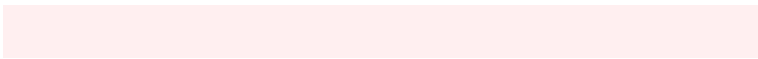
The Inverse Universe completely reimagines the original color for something new.



89.0504, 89.7715, 101.4413



87.4799, 87.1062, 99.4510



87.8455, 89.2895, 95.0961



18.4373, 18.1582, 20.9200



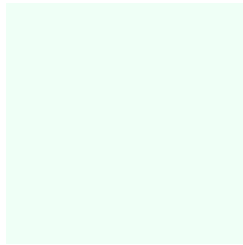
24.2328, 12.1824, 15.1420



2.4144, 1.2081, 1.7636

Previews

White Background



This preview shows how the XYZ color 87.9912, 96.5245, 101.1822 looks on a white background.

Color Contrast Check

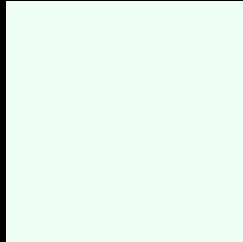
Large Text (above 18pt) WCAG AA × Fail

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 87.9912, 96.5245, 101.1822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

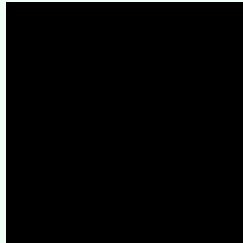
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.9912, 96.5245, 101.1822

Background



This preview shows how black text looks on a background with the XYZ color 87.9912, 96.5245, 101.1822.



This preview shows how white text looks on a background with the XYZ color 87.9912, 96.5245,

101.322.

Color Blindness Simulation

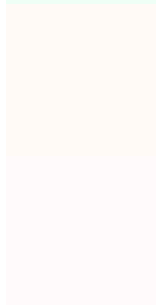
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.9912, 96.5245, 101.1822



Protanopia

92.0602, 96.2850, 100.9216

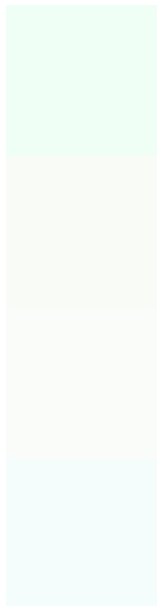
Deuteranopia

92.8382, 96.5962, 105.0186

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

87.9912, 96.5245, 101.1822

Protanomaly

90.5119, 96.4144, 101.0281

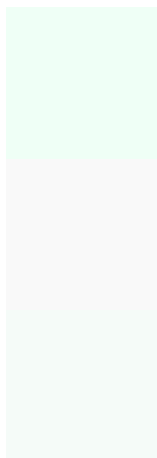
Deuteranomaly

90.9762, 96.6001, 103.4733

Tritanomaly

90.0373, 96.0616, 105.8917

Monochromacy



Original Color

87.9912, 96.5245, 101.1822

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.0966, 95.1841, 102.4834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.9912, 96.5245, 101.1822 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, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 246)  
}
```

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, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 87.9912, 96.5245, 101.1822 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, 255, 246) }
```


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

```
.border{ border-color:rgb(239, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 87.9912, 96.5245, 101.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 246) }
```

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

```
.background{ background-color: rgb(239,  
255, 246) }
```

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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