

Converting Colors

XYZ(87.7359, 96.3840,
101.5759)

Have a look what the booklet for
XYZ(87.7359, 96.3840, 101.5759)
contains.

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Color

**XYZ(87.8084, 96.4125,
101.9772)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFFF7
RGB	238, 255, 247
RGB Percent	93%, 100%, 97%
CMY	0.0667, 0.0000, 0.0314
CMYK	0.07, 0.00, 0.03, 0.00
HSL	152°, 100%, 97%
HSV	152°, 7%, 100%
XYZ	87.8084, 96.4125, 101.9772
YIQ	249.0050, -7.5640, -6.0920

Conversions

Conversions Part 2

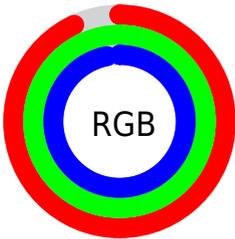
Format	Color
R _Y B	238, 249, 255
Decimal	15663095
CIE Lab	98.60, -6.98, 1.90
CIE LCh	99, 7.232, 164.767
Yxy	96.4125, 0.3068, 0.3369
Android (android.graphics.Color)	4293853175 (0xFFEEFF7)
YUV	249.0050, -0.9885, -9.6514
Hunter-Lab	98.1899, -12.2048, 7.1560

Details

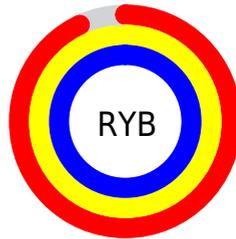
The XYZ color **87.8084, 96.4125, 101.9772** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.4496, 89.0640, 99.7180**, and the grayscale version is **90.0585, 94.7486, 103.1812**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8895, 54.0948, 57.1548** is the 20% darker color. If you saturate the color by 10%, you get **78.0522, 91.5901, 92.1647**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



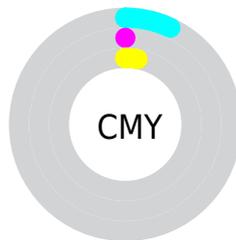
- Red (93%)
- Green (100%)
- Blue (97%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8084, 96.4125, 101.9772 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 87.8084, 96.4125, 101.9772 by changing the saturation by 10% instead.

 87.8084, 96.4125,
101.9772

 87.8084, 96.4125,
101.9772

509.2204,
548.6771, 587.8141

 66.4947, 73.3112,
77.3267

143.1843,
156.2146, 165.9472

 48.9433, 54.2304,
57.0079

177.9771,
193.6841, 206.1038

 34.7888, 38.7859,
40.6022

217.9937,
236.7119, 252.2662

 23.6660, 26.5932,
27.6910

263.5994,
285.6822, 304.8529

 15.2094, 17.2680,
17.8559

315.1596,
340.9794, 364.2825

 9.0538, 10.4257,
10.6782

373.0396,

 4.8337, 5.6821,

402.9881, 430.9736

5.7394

437.6047,
472.0925, 505.3446

■ 2.1838, 2.6528,
2.6211

■ 0.7342, 0.9533,
0.9033

■ 87.8084, 96.4125,
101.9772

■ 87.8084, 96.4125,
101.9772

■ 78.0522, 91.5901,
92.1647

95.0500, 100.0000,
108.9000

■ 69.5739, 87.4130,
83.0209

■ 62.3180, 83.8528,
74.5329

■ 56.2234, 80.8783,
66.6854

■ 51.2237, 78.4555,
59.4626

■ 47.2454, 76.5469,
52.8479

■ 44.2055, 75.1100,
46.8239

■ 42.0068, 74.0949,
41.3718

■ 40.5277, 73.4394,
36.4711

Harmonies

Analogous

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



88.8320, 96.4125, 97.0039



87.8084, 96.4125, 101.9772



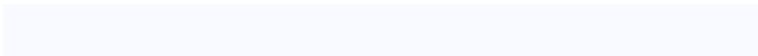
87.8002, 96.4125, 107.9423

Triad

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



87.8084, 96.4125, 101.9772



92.6669, 96.4125, 116.5220



94.5245, 96.4125, 97.0669

Complementary

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



87.8084, 96.4125, 101.9772



88.4496, 89.0640, 99.7180

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.



95.5844, 96.4125, 102.0662



87.8084, 96.4125, 101.9772



94.5009, 96.4125, 113.3751

Square

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



87.8084, 96.4125, 101.9772



90.5837, 96.4125, 116.4959



95.5757, 96.4125, 108.0347



92.6988, 96.4125, 94.2432

Rectangle

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



87.8084, 96.4125, 101.9772



88.3705, 96.4125, 111.6879



95.5757, 96.4125, 108.0347



94.9834, 96.4125, 98.5401

Sweetspot

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



87.8093, 96.4130, 101.9787



92.8145, 98.8919, 106.7912



89.2753, 97.3254, 94.9707



19.8896, 21.1786, 22.8799



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.



87.8093, 96.4130, 101.9787



86.4318, 95.7313, 100.6302



88.9802, 96.7368, 108.5901



18.1735, 20.3289, 21.2166



21.0472, 38.3155, 18.6654



2.1045, 3.7527, 2.1082

Inverse Universe

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



88.4496, 89.0640, 99.7180



87.1933, 86.9916, 97.9418



87.3305, 88.7484, 93.4177



18.3651, 18.1294, 20.5400



23.3938, 11.8468, 10.7241



2.3324, 1.1753, 1.3320

Previews

White Background



This preview shows how the XYZ color 87.8084, 96.4125, 101.9772 looks on a white background.

Color Contrast Check

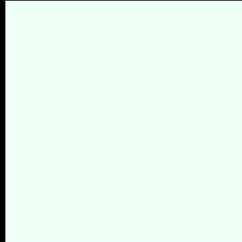
Large Text (above 18pt) WCAG AA × Fail

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 87.8084, 96.4125, 101.9772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

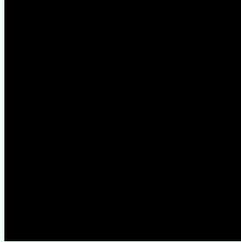
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.8084, 96.4125, 101.9772

Background



This preview shows how black text looks on a background with the XYZ color 87.8084, 96.4125, 101.9772.



This preview shows how white text looks on a background with the XYZ color 87.8084, 96.4125,

101.9772.

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

87.8084, 96.4125, 101.9772



Protanopia

92.0602, 96.2850, 100.9216

Deuteranopia

92.5283, 95.9764, 104.9153

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

87.8084, 96.4125, 101.9772

Protanomaly

90.5119, 96.4144, 101.0281

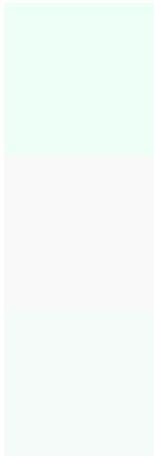
Deuteranomaly

90.8194, 96.0362, 104.1926

Tritanomaly

90.0373, 96.0616, 105.8917

Monochromacy



Original Color

87.8084, 96.4125, 101.9772

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 87.8084, 96.4125, 101.9772 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(238, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 247)  
}
```

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(238, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 87.8084, 96.4125, 101.9772 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(238, 255, 247) }
```

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

```
.border{ border-color:rgb(238, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(238, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 87.8084, 96.4125, 101.9772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 247) }
```

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

```
.background{ background-color: rgb(238,  
255, 247) }
```

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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