

Converting Colors

XYZ(87.5821, 96.2891,
102.2715)

Have a look what the booklet for
XYZ(87.5821, 96.2891, 102.2715)
contains.

| | |
|--|----|
| XYZ(87.4736, 96.2399, 101.9615) | 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(87.4736, 96.2399,
101.9615)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EDFFF7 |
| RGB | 237, 255, 247 |
| RGB Percent | 93%, 100%, 97% |
| CMY | 0.0706, 0.0000, 0.0314 |
| CMYK | 0.07, 0.00, 0.03, 0.00 |
| HSL | 153°, 100%, 96% |
| HSV | 153°, 7%, 100% |
| XYZ | 87.4736, 96.2399, 101.9615 |
| YIQ | 248.7060, -8.1600, -6.3040 |

Conversions

Conversions Part 2

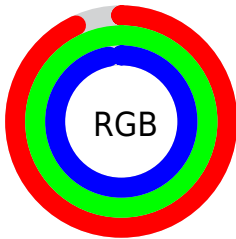
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 237, 249, 255 |
| Decimal | 15597559 |
| CIE Lab | 98.53, -7.30, 1.79 |
| CIE LCh | 99, 7.519, 166.211 |
| Yxy | 96.2399, 0.3062, 0.3369 |
| Android (android.graphics.Color) | 4293787639 (0xFFEDFFF7) |
| YUV | 248.7060, -0.8411, -10.2662 |
| Hunter-Lab | 98.1019, -12.5170, 7.0487 |

Details

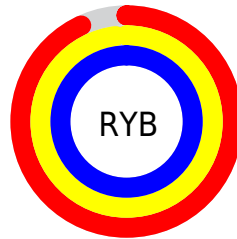
The XYZ color **87.4736, 96.2399, 101.9615** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.0062, 88.4221, 98.8151**, and the grayscale version is **89.8123, 94.4895, 102.8991**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6541, 53.9735, 57.1438** is the 20% darker color. If you saturate the color by 10%, you get **77.8604, 91.4801, 92.6593**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

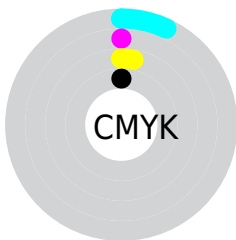
Distribution



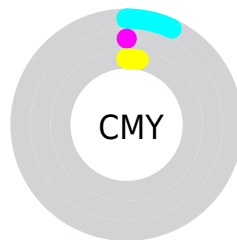
- Red (93%)
- Green (100%)
- Blue (97%)



- 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 87.4736, 96.2399, 101.9615 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 87.4736, 96.2399, 101.9615 by changing the saturation by 10% instead.

87.4736, 96.2399,
101.9615

87.4736, 96.2399,
101.9615

508.1391,
548.1268, 587.7636

66.2165, 73.1674,
77.3137

142.7204,
155.9765, 165.9255

48.7166, 54.1128,
56.9973

177.4408,
193.4093, 206.0787

34.6083, 38.6919,
40.5937

217.3797,
236.3977, 252.2375

23.5264, 26.5201,
27.6844

262.9024,
285.3260, 304.8203

15.1055, 17.2131,
17.8510

314.3744,
340.5787, 364.2459

8.9803, 10.3866,
10.6747

372.1609,

4.7853, 5.6560,

402.5401, 430.9325

5.7371

436.6274,
471.5947, 505.2989

■ 2.1553, 2.6371,
2.6197

■ 0.7190, 0.9453,
0.9026

■ 87.4736, 96.2399,
101.9615

■ 87.4736, 96.2399,
101.9615

■ 77.8604, 91.4801,
92.6593

95.0500, 100.0000,
108.9000

■ 69.5106, 87.3595,
83.9599

■ 62.3687, 83.8498,
75.8521

■ 56.3741, 80.9199,
68.3226

■ 51.4603, 78.5358,
61.3579

■ 47.5540, 76.6600,
54.9434

■ 44.5721, 75.2498,
49.0640

■ 42.4173, 74.2554,
43.7032

■ 40.9658, 73.6132,
38.8432

Harmonies

Analogous

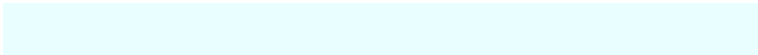
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4889, 96.2399, 96.7216



87.4736, 96.2399, 101.9615



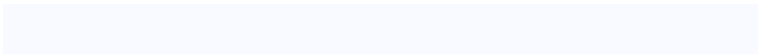
87.5180, 96.2399, 108.1663

Triad

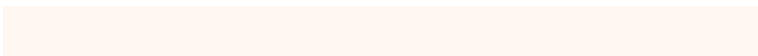
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4736, 96.2399, 101.9615



92.6450, 96.2399, 116.7089



94.3962, 96.2399, 96.3829

Complementary

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



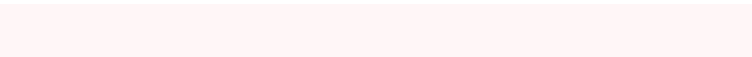
87.4736, 96.2399, 101.9615



88.0062, 88.4221, 98.8151

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.



95.5457, 96.2399, 101.4825



87.4736, 96.2399, 101.9615



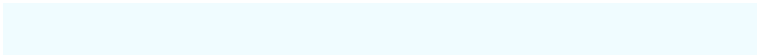
94.5238, 96.2399, 113.2928

Square

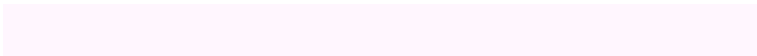
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4736, 96.2399, 101.9615



90.4805, 96.2399, 116.8496



95.5928, 96.2399, 107.6681



92.4730, 96.2399, 93.5880

Rectangle

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



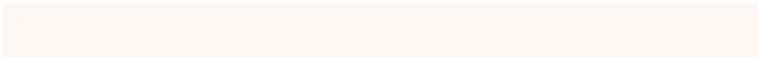
87.4736, 96.2399, 101.9615



88.1420, 96.2399, 112.0208



95.5928, 96.2399, 107.6681



94.8872, 96.2399, 97.8751

Sweetspot

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



87.4745, 96.2404, 101.9630



92.8357, 98.9004, 106.9029



88.7378, 97.0652, 94.1808



19.8939, 21.1803, 22.9027



0.0000, 0.0000, 0.0000



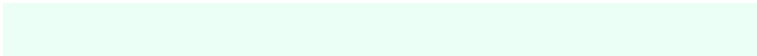
20.3446, 21.4041, 23.3091

Same Dimension

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



87.4745, 96.2404, 101.9630



86.5135, 95.7639, 101.0605



88.4493, 96.1721, 108.5090



18.1941, 20.3372, 21.3250



21.3004, 38.4168, 19.9991



2.1290, 3.7625, 2.2370

Inverse Universe

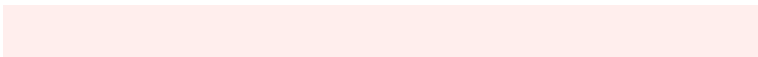
The Inverse Universe completely reimagines the original color for something new.



88.0062, 88.4221, 98.8151



87.1123, 86.9592, 97.5155



87.0723, 88.4665, 92.6089



18.3448, 18.1212, 20.4328



23.1881, 11.7645, 9.6409



2.3117, 1.1671, 1.2229

Previews

White Background



This preview shows how the XYZ color 87.4736, 96.2399, 101.9615 looks on a white background.

Color Contrast Check

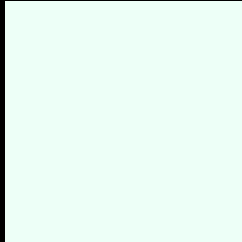
Large Text (above 18pt) WCAG AA × Fail

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 87.4736, 96.2399, 101.9615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

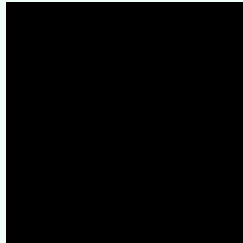
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4736, 96.2399, 101.9615

Background



This preview shows how black text looks on a background with the XYZ color 87.4736, 96.2399, 101.9615.



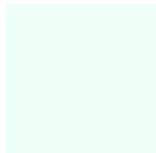
This preview shows how white text looks on a background with the XYZ color 87.4736, 96.2399,

101.9515.

Color Blindness Simulation

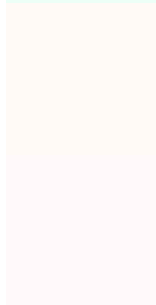
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.4736, 96.2399, 101.9615



Protanopia

92.0602, 96.2850, 100.9216

Deuteranopia

92.3710, 95.9135, 104.0872

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

87.4736, 96.2399, 101.9615

Protanomaly

90.1564, 96.2311, 101.0115

Deuteranomaly

90.3075, 95.7904, 103.3522

Tritanomaly

90.0373, 96.0616, 105.8917

Monochromacy



Original Color

87.4736, 96.2399, 101.9615

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 87.4736, 96.2399, 101.9615 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(237, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 87.4736, 96.2399, 101.9615 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(237, 255, 247) }
```


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

```
.border{ border-color:rgb(237, 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(237, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4736, 96.2399, 101.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 247) }
```

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

```
.background{ background-color: rgb(237,  
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](#).

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