

# Converting Colors

XYZ(87.5653, 96.2825,  
102.1801)

Have a look what the booklet for  
XYZ(87.5653, 96.2825, 102.1801)  
contains.

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# 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

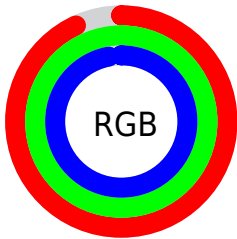
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 249, 255
Decimal	15597559
CIE Lab	98.53, -7.30, 1.79
CIE LCh	99, 7.519, 166.211
Yxy	96.2399, 0.3062, 0.3369
Android (android.graphics.Color)	4293787639 (0xFFEDFFF7)
YUV	248.7060, -0.8411, -10.2662
Hunter-Lab	98.1019, -12.5170, 7.0487

# Details

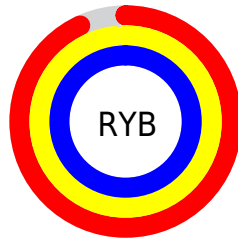
The XYZ color **87.4736, 96.2399, 101.9615** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.0062, 88.4221, 98.8151**, and the grayscale version is **89.8123, 94.4895, 102.8991**.

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**.

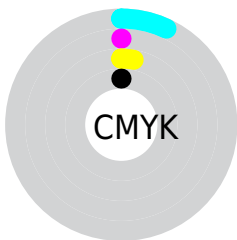
# Distribution



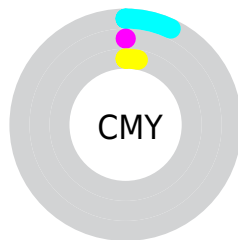
- Red (93%)
- Green (100%)
- Blue (97%)



- 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

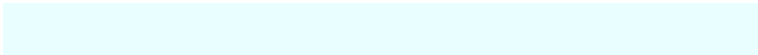
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4889, 96.2399, 96.7216



87.4736, 96.2399, 101.9615



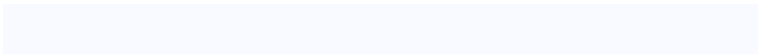
87.5180, 96.2399, 108.1663

# Triad

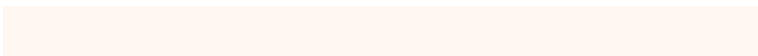
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



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.



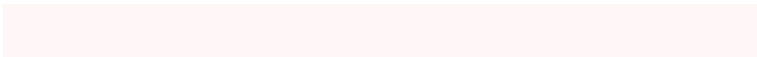
87.4736, 96.2399, 101.9615



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



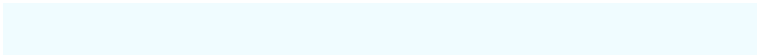
94.5238, 96.2399, 113.2928

# 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

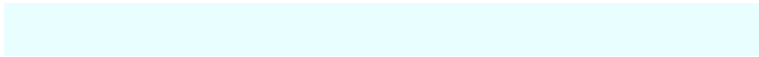


# Rectangle

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

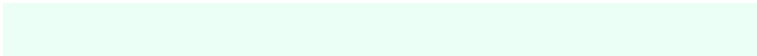


# Same Dimension

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

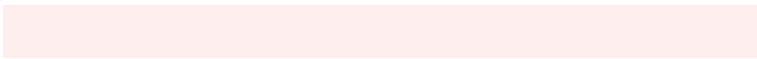
The Inverse Universe completely reimagines the original color for something new.



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

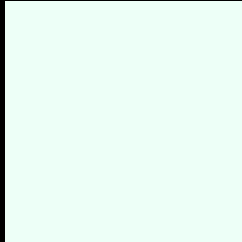
Any Text WCAG AA × Fail

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

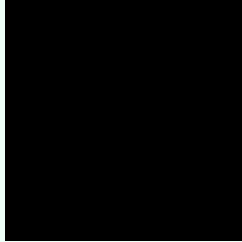
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

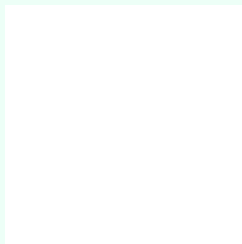
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# 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.



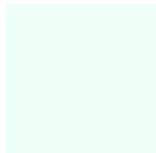
This preview shows how white text looks on a background with the XYZ color 87.4736, 96.2399,

101.9515.

# Color Blindness Simulation

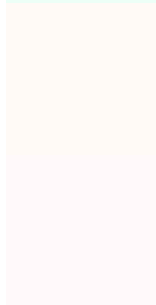
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## 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](#).

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