

Converting Colors

XYZ(87.4610, 96.4902, 90.3601)

Have a look what the booklet for
XYZ(87.4610, 96.4902, 90.3601)
contains.

XYZ(87.6337, 96.5793, 90.3668)	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(87.6337, 96.5793,
90.3668)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FFE8
RGB	244, 255, 232
RGB Percent	96%, 100%, 91%
CMY	0.0431, 0.0000, 0.0902
CMYK	0.04, 0.00, 0.09, 0.00
HSL	89°, 100%, 95%
HSV	89°, 9%, 100%
XYZ	87.6337, 96.5793, 90.3668
YIQ	249.0890, 0.8270, -9.4850

Conversions

Conversions Part 2

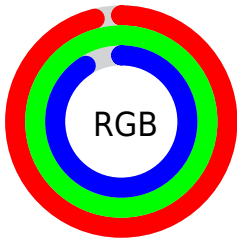
Format	Color
R _Y B	232, 255, 243
Decimal	16056296
CIE Lab	98.66, -7.59, 9.74
CIE LCh	99, 12.346, 127.907
Yxy	96.5793, 0.3192, 0.3517
Android (android.graphics.Color)	4294246376 (0xFF4FFFE8)
YUV	249.0890, -8.4249, -4.4631
Hunter-Lab	98.2748, -12.8086, 14.2733

Details

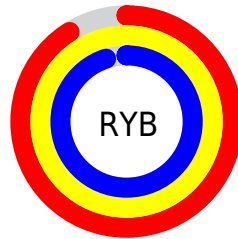
The XYZ color **87.6337, 96.5793, 90.3668** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8695, 83.9891, 106.3989**, and the grayscale version is **90.1817, 94.8782, 103.3223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7696, 54.2141, 48.9682** is the 20% darker color. If you saturate the color by 10%, you get **80.1774, 93.1240, 72.4616**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

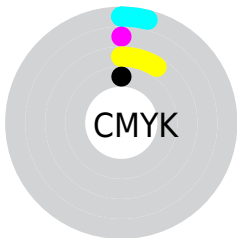
Distribution



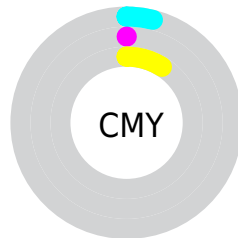
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6337, 96.5793, 90.3668 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 87.6337, 96.5793, 90.3668 by changing the saturation by 10% instead.

87.6337, 96.5793,
90.3668

87.6337, 96.5793,
90.3668

508.6563,
549.2087, 549.8242

66.3495, 73.4501,
67.7095

142.9422,
156.4447, 149.7878

48.8250, 54.3441,
49.1962

177.6973,
193.9497, 187.3885

34.6946, 38.8768,
34.4084

217.6734,
237.0154, 230.8074

23.5931, 26.6639,
22.9277

263.2358,
286.0262, 280.4631

15.1552, 17.3210,
14.3353

314.7500,
341.3666, 336.7741

9.0154, 10.4636,
8.2128

372.5812,

4.8084, 5.7074,

403.4208, 400.1589

4.1417

437.0948,
472.5734, 471.0361

■ 2.1689, 2.6680,
1.7034

■ 0.7263, 0.9610,
0.3631

■ 87.6337, 96.5793,
90.3668

■ 87.6337, 96.5793,
90.3668

■ 80.1774, 93.1240,
72.4616

95.0500, 100.0000,
108.9000

■ 73.4982, 90.0112,
57.2172

■ 67.5670, 87.2288,
44.5075

■ 62.3520, 84.7632,
34.1944

■ 57.8186, 82.6000,
26.1268

■ 53.9289, 80.7234,
20.1363

■ 50.6399, 79.1153,
16.0308

■ 47.9019, 77.7552,
13.5823

■ 45.6441, 76.6139,
12.4541

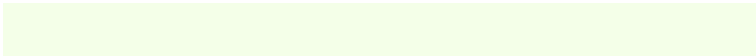
Harmonies

Analogous

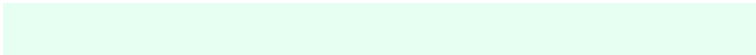
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8526, 96.5793, 86.8260



87.6337, 96.5793, 90.3668



85.5679, 96.5793, 97.9210

Triad

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



87.6337, 96.5793, 90.3668



89.2326, 96.5793, 124.4906



98.7797, 96.5793, 102.4713

Complementary

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



87.6337, 96.5793, 90.3668



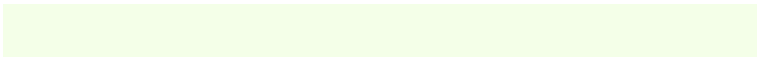
83.8695, 83.9891, 106.3989

Split Complementary

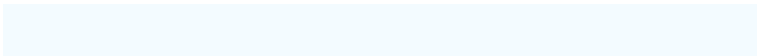
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.3187, 96.5793, 112.7440



87.6337, 96.5793, 90.3668



92.7454, 96.5793, 125.9051

Square

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



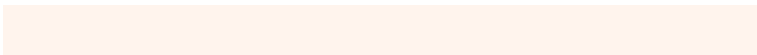
87.6337, 96.5793, 90.3668



86.4741, 96.5793, 117.7334



96.0875, 96.5793, 121.4820



97.3313, 96.5793, 93.5124

Rectangle

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



87.6337, 96.5793, 90.3668



85.0911, 96.5793, 104.4406



96.0875, 96.5793, 121.4820



98.8436, 96.5793, 105.8796

Sweetspot

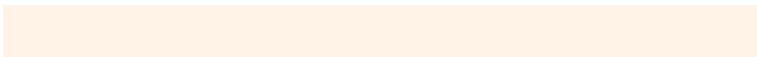
The Sweet Spot groups the original color and five complimentary colors.



87.6344, 96.5796, 90.3683



92.5094, 98.8297, 102.4794



87.7769, 91.0286, 89.2893



19.6582, 21.0879, 21.5768



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

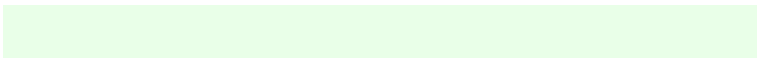
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6344, 96.5796, 90.3683



86.0940, 95.8672, 86.6035



83.8545, 94.6310, 90.1914



18.6759, 20.6344, 19.1428



23.9172, 40.0679, 6.4733



2.4549, 3.9663, 0.6362

Inverse Universe

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



83.8695, 83.9891, 106.3989



81.5646, 80.7200, 105.8893



87.8657, 86.0492, 106.5859



17.8295, 17.8039, 22.7467



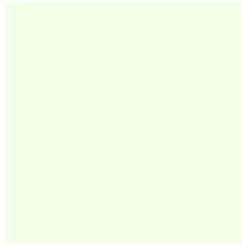
13.7918, 6.0204, 49.8697



1.4681, 0.6507, 4.8615

Previews

White Background



This preview shows how the XYZ color 87.6337, 96.5793, 90.3668 looks on a white background.

Color Contrast Check

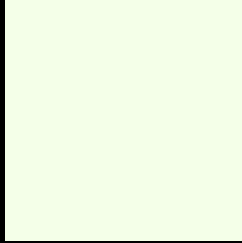
Large Text (above 18pt) WCAG AA × Fail

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 87.6337, 96.5793, 90.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

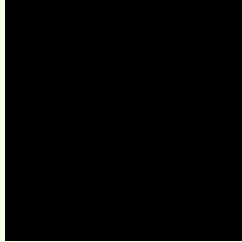
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

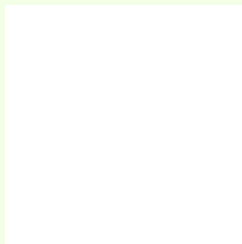
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.6337, 96.5793, 90.3668

Background



This preview shows how black text looks on a background with the XYZ color 87.6337, 96.5793, 90.3668.



This preview shows how white text looks on a background with the XYZ color 87.6337, 96.5793,

90.3668.

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

87.6337, 96.5793, 90.3668

Protanopia

91.7642, 96.6652, 97.8262

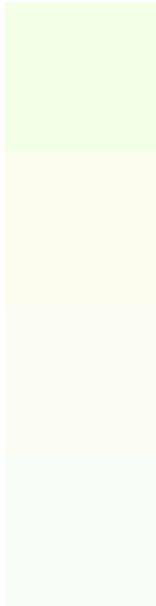
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

92.3308, 96.7236, 108.4109

Trichromacy



Original Color

87.6337, 96.5793, 90.3668

Protanomaly

90.0267, 96.3031, 94.7324

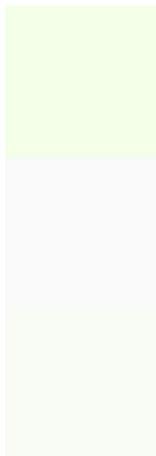
Deuteranomaly

90.7717, 96.6011, 98.6557

Tritanomaly

90.3103, 96.2927, 101.8222

Monochromacy



Original Color

87.6337, 96.5793, 90.3668

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.0326, 95.2396, 98.4846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6337, 96.5793, 90.3668 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(244, 255, 232) looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 232)  
}
```

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(244, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 87.6337, 96.5793, 90.3668 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(244, 255, 232) }
```


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

```
.border{ border-color:rgb(244, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6337, 96.5793, 90.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 232) }
```

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

```
.background{ background-color: rgb(244,  
255, 232) }
```

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