

Converting Colors

XYZ(109.5873, 140.7526,
99.3739)

Have a look what the booklet for
XYZ(109.5873, 140.7526, 99.3739)
contains.

XYZ(87.5734, 96.5152, 91.8556)	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(87.5734, 96.5152,
91.8556)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFEA
RGB	243, 255, 234
RGB Percent	95%, 100%, 92%
CMY	0.0471, 0.0000, 0.0823
CMYK	0.05, 0.00, 0.08, 0.00
HSL	94°, 100%, 96%
HSV	94°, 8%, 100%
XYZ	87.5734, 96.5152, 91.8556
YIQ	249.0180, -0.4110, -9.0750

Conversions

Conversions Part 2

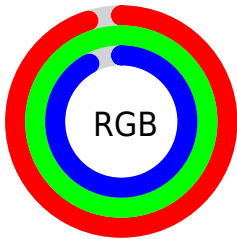
Format	Color
R_{YB}	234, 255, 246
Decimal	15990762
CIE Lab	98.64, -7.59, 8.67
CIE LCh	99, 11.522, 131.188
Yxy	96.5152, 0.3174, 0.3498
Android (android.graphics.Color)	4294180842 (0xFF3FFEA)
YUV	249.0180, -7.4039, -5.2778
Hunter-Lab	98.2421, -12.8082, 13.3338

Details

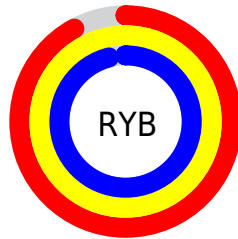
The XYZ color **87.5734, 96.5152, 91.8556** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4796, 85.6597, 106.6365**, and the grayscale version is **90.1159, 94.8090, 103.2470**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7235, 54.1673, 50.0068** is the 20% darker color. If you saturate the color by 10%, you get **79.3386, 92.6632, 73.7030**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

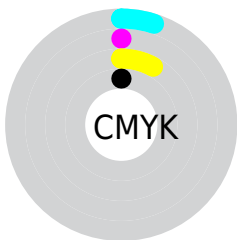
Distribution



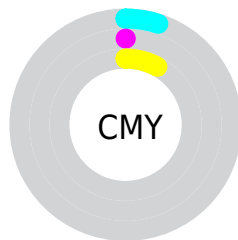
- Red (95%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (96%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5734, 96.5152, 91.8556 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 87.5734, 96.5152, 91.8556 by changing the saturation by 10% instead.

87.5734, 96.5152,
91.8556

87.5734, 96.5152,
91.8556

508.4615,
549.0044, 554.7738

66.2994, 73.3967,
68.9383

142.8587,
156.3563, 151.8712

48.7841, 54.3004,
50.1900

177.6007,
193.8476, 189.8066

34.6621, 38.8419,
35.1922

217.5628,
236.8987, 233.5852

23.5680, 26.6368,
23.5262

263.1102,
285.8940, 283.6254

15.1365, 17.3006,
14.7736

314.6085,
341.2178, 340.3458

9.0022, 10.4490,
8.5158

372.4229,

4.7997, 5.6977,

403.2546, 404.1650

4.3343

436.9188,
472.3886, 475.5015

■ 2.1638, 2.6621,
1.8105

■ 0.7235, 0.9580,
0.4348

■ 87.5734, 96.5152,
91.8556

■ 87.5734, 96.5152,
91.8556

■ 79.3386, 92.6632,
73.7030

95.0500, 100.0000,
108.9000

■ 71.9978, 89.2139,
58.2261

■ 65.5183, 86.1530,
45.2994

■ 59.8642, 83.4650,
34.7857

■ 54.9967, 81.1333,
26.5346

■ 50.8733, 79.1396,
20.3791

■ 47.4466, 77.4636,
16.1291

■ 44.6623, 76.0822,
13.5598

■ 42.4490, 74.9654,
12.3618

Harmonies

Analogous

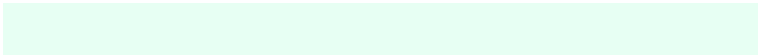
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4953, 96.5152, 88.0707



87.5734, 96.5152, 91.8556



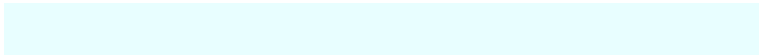
85.7934, 96.5152, 99.2728

Triad

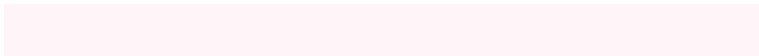
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5734, 96.5152, 91.8556



89.6810, 96.5152, 123.4631



98.1752, 96.5152, 101.5629

Complementary

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



87.5734, 96.5152, 91.8556



85.4796, 85.6597, 106.6365

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.



97.9443, 96.5152, 111.1273



87.5734, 96.5152, 91.8556



92.9856, 96.5152, 124.1687

Square

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



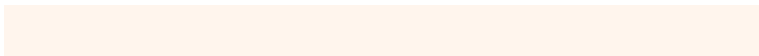
87.5734, 96.5152, 91.8556



86.9897, 96.5152, 117.6621



96.0260, 96.5152, 119.5352



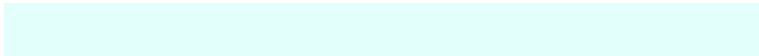
96.6494, 96.5152, 93.4445

Rectangle

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



87.5734, 96.5152, 91.8556



85.4673, 96.5152, 105.4701



96.0260, 96.5152, 119.5352



98.3014, 96.5152, 104.7082

Sweetspot

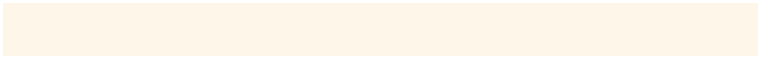
The Sweet Spot groups the original color and five complimentary colors.



87.5741, 96.5155, 91.8571



93.1756, 99.1273, 104.5829



89.0172, 93.0518, 91.1124



19.9631, 21.2265, 22.4302



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

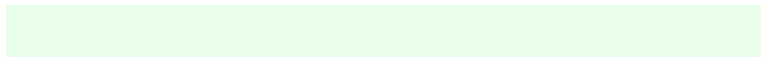
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5741, 96.5155, 91.8571



86.0537, 95.8055, 88.4521



84.7458, 95.0342, 92.7788



18.5098, 20.5487, 19.1351



22.1621, 39.1630, 6.3912



2.2799, 3.8761, 0.6280

Inverse Universe

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



85.4796, 85.6597, 106.6365



83.5408, 82.7816, 106.1831



88.4888, 87.2369, 105.6051



17.9968, 17.8901, 22.7545



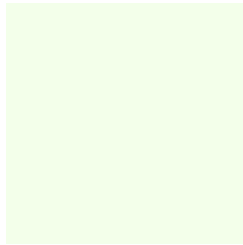
15.7732, 7.0419, 49.9625



1.6609, 0.7501, 4.8705

Previews

White Background



This preview shows how the XYZ color 87.5734, 96.5152, 91.8556 looks on a white background.

Color Contrast Check

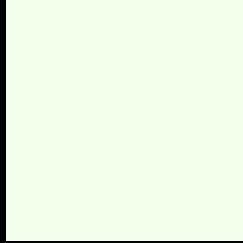
Large Text (above 18pt) WCAG AA × Fail

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 87.5734, 96.5152, 91.8556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

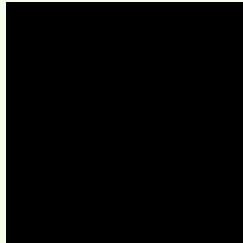
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

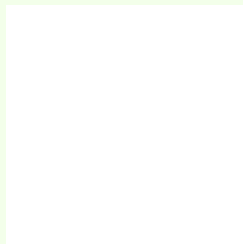
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.5734, 96.5152, 91.8556

Background



This preview shows how black text looks on a background with the XYZ color 87.5734, 96.5152, 91.8556.



This preview shows how white text looks on a background with the XYZ color 87.5734, 96.5152,

91.8 56.

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

87.5734, 96.5152, 91.8556

Protanopia

91.7642, 96.6652, 97.8262

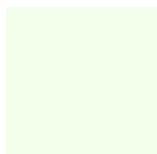
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

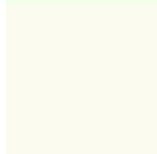
91.9715, 96.5384, 108.3941

Trichromacy



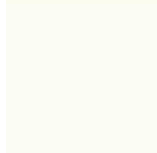
Original Color

87.5734, 96.5152, 91.8556



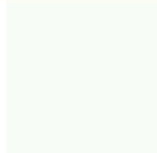
Protanomaly

90.1741, 96.3620, 95.5084



Deuteranomaly

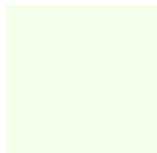
90.9232, 96.6617, 99.4534



Tritanomaly

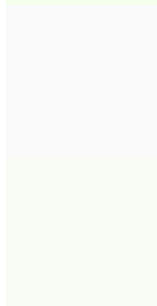
89.9567, 96.1104, 101.8056

Monochromacy



Original Color

87.5734, 96.5152, 91.8556



Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.1841, 95.3002, 99.2822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5734, 96.5152, 91.8556 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(243, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 234)  
}
```

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(243, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 87.5734, 96.5152, 91.8556 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(243, 255, 234) }
```


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

```
.border{ border-color:rgb(243, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5734, 96.5152, 91.8556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 234) }
```

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

```
.background{ background-color: rgb(243,  
255, 234) }
```

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