

Converting Colors

XYZ(85.7104, 95.1962,
107.9675)

Have a look what the booklet for
XYZ(85.7104, 95.1962, 107.9675)
contains.

XYZ(85.6443, 95.1697, 107.6216)	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(85.6443, 95.1697,
107.6216)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFFE
RGB	228, 255, 254
RGB Percent	89%, 100%, 100%
CMY	0.1059, 0.0000, 0.0039
CMYK	0.11, 0.00, 0.00, 0.00
HSL	178°, 100%, 95%
HSV	178°, 11%, 100%
XYZ	85.6443, 95.1697, 107.6216
YIQ	246.8130, -15.7710, -6.0350

Conversions

Conversions Part 2

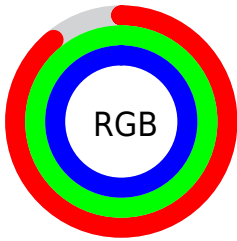
Format	Color
R_{YB}	228, 242, 255
Decimal	15007742
CIE _{Lab}	98.10, -8.88, -2.50
CIE _{LCh}	98, 9.225, 195.713
Yxy	95.1697, 0.2969, 0.3300
Android (android.graphics.Color)	4293197822 (0xFFE4FFFE)
YUV	246.8130, 3.5432, -16.4990
Hunter-Lab	97.5550, -14.0146, 2.8804

Details

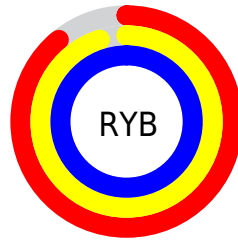
The XYZ color **85.6443, 95.1697, 107.6216** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.1269, 82.4052, 85.6536**, and the grayscale version is **88.2371, 92.8323, 101.0944**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2854, 53.1900, 60.5978** is the 20% darker color. If you saturate the color by 10%, you get **77.9923, 91.2423, 106.4787**, and if you desaturate by 10%, it is **94.4922, 99.7135, 108.8274**.

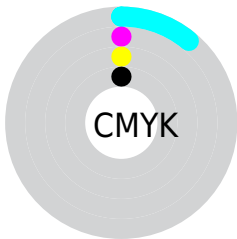
Distribution



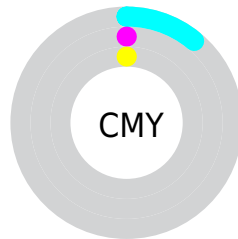
- Red (89%)
- Green (100%)
- Blue (100%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6443, 95.1697, 107.6216 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 85.6443, 95.1697, 107.6216 by changing the saturation by 10% instead.


 85.6443, 95.1697,
107.6216

 85.6443, 95.1697,
107.6216


502.2092,
544.7081, 605.8157

 64.6982, 72.2762,
82.0285


140.1824,
154.4990, 173.7351

 47.4802, 53.3844,
60.8531

174.5051,
191.7037, 215.0926

 33.6249, 38.1097,
43.6768


214.0173,
234.4475, 262.5420

 22.7671, 26.0678,
30.0812

259.0844,
283.1149, 316.5017

 14.5414, 16.8744,
19.6476

310.0718,
338.0903, 377.3904

 8.5824, 10.1450,
11.9576

367.3449,

 4.5247, 5.4952,

399.7580, 445.6267

6.5927

431.2689,
468.5025, 521.6289

■ 2.0031, 2.5406,
3.1341

■ 0.6357, 0.8969,
1.1635

■ 85.6443, 95.1697,
107.6216

■ 85.6443, 95.1697,
107.6216

■ 77.9923, 91.2423,
106.4787

94.4922, 99.7135,
108.8274

■ 71.4811, 87.9030,
105.3915

95.0500, 100.0000,
108.9000

■ 66.0558, 85.1234,
104.3590

■ 61.6560, 82.8724,
103.3784

■ 58.2151, 81.1156,
102.4466

■ 55.6587, 79.8147,
101.5599

■ 53.9016, 78.9258,
100.7146

■ 52.8419, 78.3963,
99.9057

■ 52.3289, 78.1475,
99.1705

Harmonies

Analogous

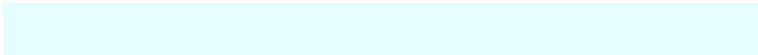
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6127, 95.1697, 100.0678



85.6443, 95.1697, 107.6216



86.9483, 95.1697, 114.4126

Triad

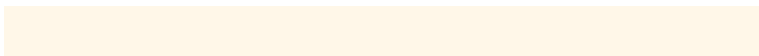
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6443, 95.1697, 107.6216



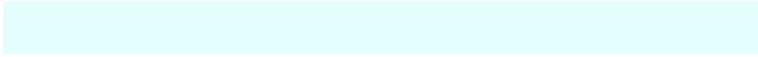
94.1486, 95.1697, 114.1388



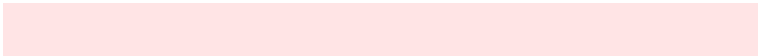
91.7178, 95.1697, 90.1299

Complementary

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



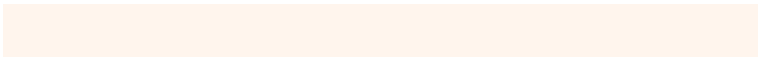
85.6443, 95.1697, 107.6216



83.1269, 82.4052, 85.6536

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.



94.0566, 95.1697, 93.5352



85.6443, 95.1697, 107.6216



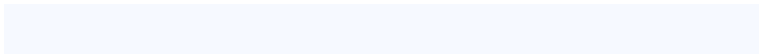
95.4785, 95.1697, 107.2627

Square

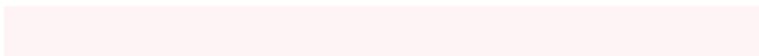
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6443, 95.1697, 107.6216



91.8414, 95.1697, 118.2985



95.4445, 95.1697, 99.7259



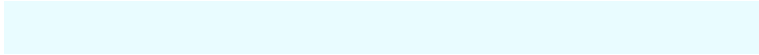
89.0845, 95.1697, 90.2155

Rectangle

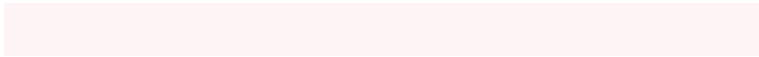
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



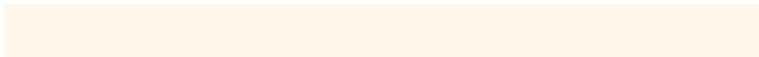
85.6443, 95.1697, 107.6216



88.3786, 95.1697, 117.4862



95.4445, 95.1697, 99.7259



92.5656, 95.1697, 90.8968

Sweetspot

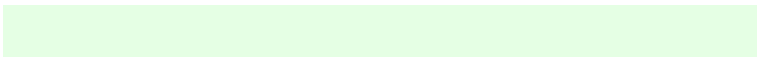
The Sweet Spot groups the original color and five complimentary colors.



85.6453, 95.1702, 107.6231



92.2458, 98.5596, 108.5312



82.1895, 93.8376, 87.1810



19.5880, 21.0155, 23.2093



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

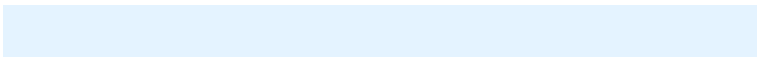
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6453, 95.1702, 107.6231



83.6915, 94.1672, 107.3416



82.0516, 87.7264, 107.2160



18.5241, 20.4692, 23.0631



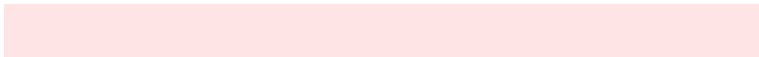
27.3559, 40.8389, 51.8866



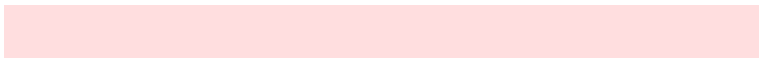
2.6723, 3.9798, 5.0979

Inverse Universe

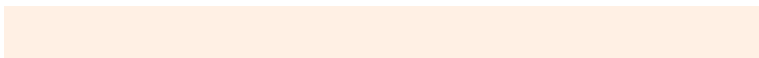
The Inverse Universe completely reimagines the original color for something new.



83.1269, 82.4052, 85.6536



80.6509, 78.7547, 80.8160



86.4485, 89.2708, 86.0751



18.0366, 17.9979, 18.8099



21.5875, 11.1243, 1.2125



2.1110, 1.0868, 0.1662

Previews

White Background



This preview shows how the XYZ color 85.6443, 95.1697, 107.6216 looks on a white background.

Color Contrast Check

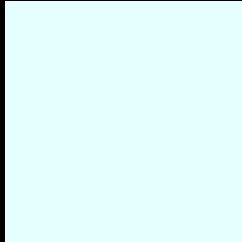
Large Text (above 18pt) WCAG AA × Fail

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 85.6443, 95.1697, 107.6216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

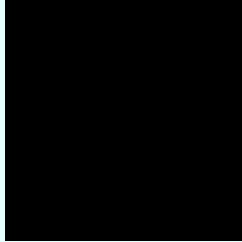
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.6443, 95.1697, 107.6216

Background



This preview shows how black text looks on a background with the XYZ color 85.6443, 95.1697, 107.6216.



This preview shows how white text looks on a background with the XYZ color 85.6443, 95.1697,

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

85.6443, 95.1697, 107.6216



Protanopia

91.3307, 94.9196, 103.9501

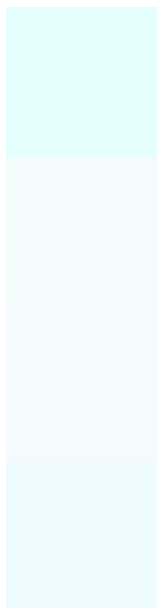
Deuteranopia

91.9134, 94.7466, 104.7103

Tritanopia

89.8918, 95.0037, 108.2075

Trichromacy



Original Color

85.6443, 95.1697, 107.6216

Protanomaly

89.2180, 95.1925, 104.9385

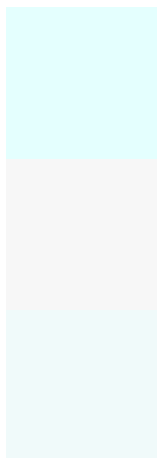
Deuteranomaly

89.4125, 94.8120, 105.6835

Tritanomaly

88.4570, 95.1915, 108.3194

Monochromacy



Original Color

85.6443, 95.1697, 107.6216

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.3761, 93.7986, 103.9422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6443, 95.1697, 107.6216 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(228, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 254)  
}
```

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(228, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 85.6443, 95.1697, 107.6216 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(228, 255, 254) }
```


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

```
.border{ border-color:rgb(228, 255, 254) }
```

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

Here you see how a box with a 4 pixel rgb(228, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6443, 95.1697, 107.6216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 254) }
```

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

```
.background{ background-color: rgb(228,  
255, 254) }
```

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