

Converting Colors

XYZ(84.4376, 93.8118,
105.8007)

Have a look what the booklet for
XYZ(84.4376, 93.8118, 105.8007)
contains.

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Color

**XYZ(84.3745, 93.6097,
105.7169)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FDFC
RGB	227, 253, 252
RGB Percent	89%, 99%, 99%
CMY	0.1098, 0.0078, 0.0118
CMYK	0.10, 0.00, 0.00, 0.01
HSL	178°, 87%, 94%
HSV	178°, 10%, 99%
XYZ	84.3745, 93.6097, 105.7169
YIQ	245.1120, -15.1750, -5.8230

Conversions

Conversions Part 2

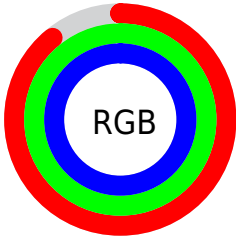
Format	Color
R _Y B	227, 240, 253
Decimal	14941692
CIE Lab	97.47, -8.58, -2.40
CIE LCh	97, 8.905, 195.613
Yxy	93.6097, 0.2974, 0.3300
Android (android.graphics.Color)	4293131772 (0xFFE3FDFC)
YUV	245.1120, 3.3958, -15.8842
Hunter-Lab	96.7521, -13.6519, 2.9428

Details

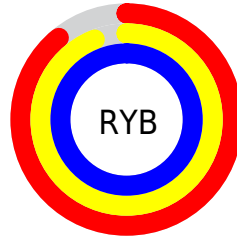
The XYZ color **84.3745, 93.6097, 105.7169** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.9841, 81.4248, 84.7986**, and the grayscale version is **86.8657, 91.3894, 99.5231**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3848, 52.0779, 59.2371** is the 20% darker color. If you saturate the color by 10%, you get **76.8200, 89.7356, 104.5594**, and if you desaturate by 10%, it is **93.1078, 98.0965, 106.9376**.

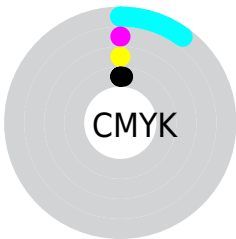
Distribution



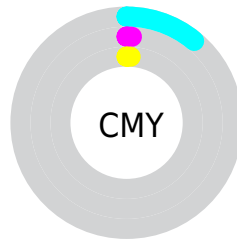
- Red (89%)
- Green (99%)
- Blue (99%)



- Red (89%)
- Yellow (94%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3745, 93.6097, 105.7169 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 84.3745, 93.6097, 105.7169 by changing the saturation by 10% instead.

84.3745, 93.6097,
105.7169

84.3745, 93.6097,
105.7169

498.0709,
539.7044, 599.7727

63.6454, 70.9784,
80.4401

138.4175,
152.3424, 171.1117

46.6242, 52.3245,
59.5523

172.4621,
189.2127, 212.0668

32.9453, 37.2638,
42.6349

211.6759,
231.5979, 259.0850

22.2436, 25.4118,
29.2695

256.4243,
279.8827, 312.5850

14.1536, 16.3841,
19.0375

307.0727,
334.4514, 372.9852

8.3100, 9.7964,
11.5203

363.9863,

4.3474, 5.2642,

395.6883, 440.7042

6.2994

427.5306,
463.9778, 516.1605

■ 1.9005, 2.4031,
2.9562

■ 0.5771, 0.8275,
1.0723

■ 84.3745, 93.6097,
105.7169

■ 84.3745, 93.6097,
105.7169

■ 76.8200, 89.7356,
104.5594

■ 93.1078, 98.0965,
106.9376

■ 70.3852, 86.4361,
103.4565

■ 94.2492, 98.6669,
107.8052

■ 65.0183, 83.6870,
102.4077

■ 94.4060, 98.7296,
108.6310

■ 60.6598, 81.4577,
101.4103

■ 94.4170, 98.7340,
108.6890

■ 57.2448, 79.7146,
100.4611

■ 54.7006, 78.4204,
99.5568

■ 52.9441, 77.5322,
98.6935

■ 51.8759, 76.9987,
97.8665

■ 51.3409, 76.7395,
97.0900

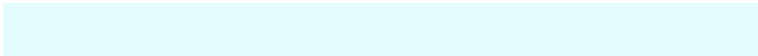
Harmonies

Analogous

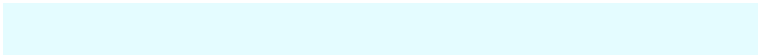
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3485, 93.6097, 98.5059



84.3745, 93.6097, 105.7169



85.6170, 93.6097, 112.1980

Triad

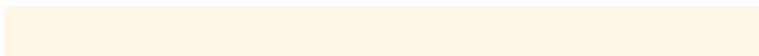
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3745, 93.6097, 105.7169



92.4914, 93.6097, 111.9736



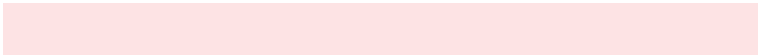
90.1861, 93.6097, 89.0296

Complementary

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



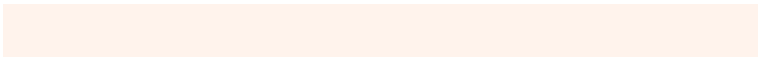
84.3745, 93.6097, 105.7169



81.9841, 81.4248, 84.7986

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.



92.4160, 93.6097, 92.2991



84.3745, 93.6097, 105.7169



93.7639, 93.6097, 105.4224

Square

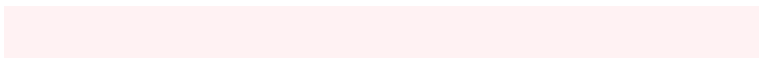
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3745, 93.6097, 105.7169



90.2875, 93.6097, 115.9252



93.7361, 93.6097, 98.2250



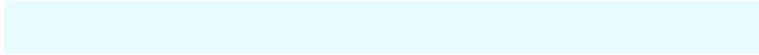
87.6717, 93.6097, 89.1000

Rectangle

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



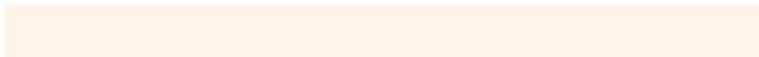
84.3745, 93.6097, 105.7169



86.9817, 93.6097, 115.1336



93.7361, 93.6097, 98.2250



90.9948, 93.6097, 89.7674

Sweetspot

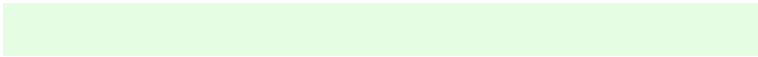
The Sweet Spot groups the original color and five complimentary colors.



84.3772, 93.6136, 105.7190



92.2438, 98.5588, 108.5207



81.0833, 92.3436, 86.2251



19.5875, 21.0153, 23.2064



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

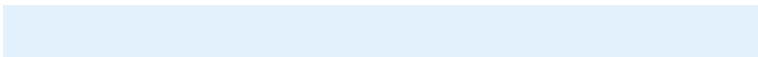
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3772, 93.6136, 105.7190



84.4850, 94.5754, 107.4159



80.9551, 86.5141, 105.3652



18.5228, 20.4686, 23.0559



27.3232, 40.8259, 51.7148



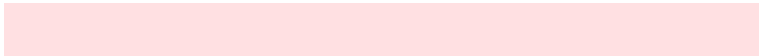
2.6694, 3.9787, 5.0831

Inverse Universe

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



81.9841, 81.4248, 84.7986



81.6733, 80.2546, 82.8366



85.1552, 87.9894, 85.1701



18.0378, 17.9984, 18.8162



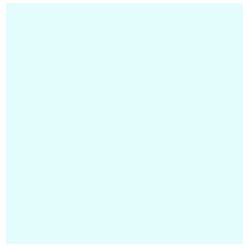
21.5892, 11.1250, 1.2214



2.1116, 1.0870, 0.1692

Previews

White Background



This preview shows how the XYZ color 84.3745, 93.6097, 105.7169 looks on a white background.

Color Contrast Check

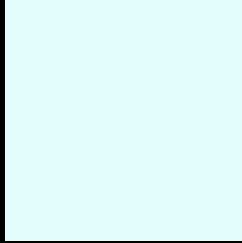
Large Text (above 18pt) WCAG AA × Fail

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 84.3745, 93.6097, 105.7169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

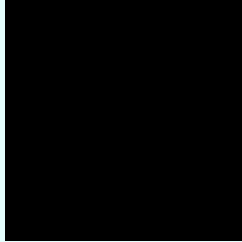
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

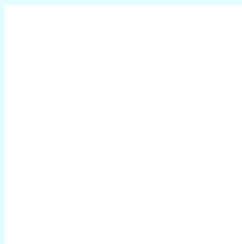
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3745, 93.6097, 105.7169

Background



This preview shows how black text looks on a background with the XYZ color 84.3745, 93.6097, 105.7169.

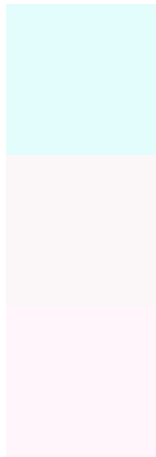


This preview shows how white text looks on a background with the XYZ color 84.3745, 93.6097,

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

84.3745, 93.6097, 105.7169

Protanopia

89.6827, 93.1981, 102.0692

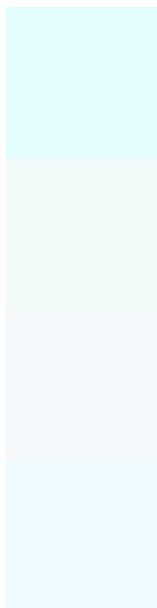
Deuteranopia

91.1477, 93.4669, 103.6794

Tritanopia

88.2354, 93.2320, 107.9528

Trichromacy



Original Color

84.3745, 93.6097, 105.7169

Protanomaly

87.5925, 93.4682, 103.0471

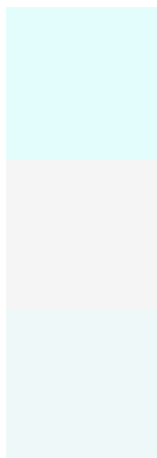
Deuteranomaly

88.6362, 93.5123, 104.6448

Tritanomaly

87.0001, 93.5315, 107.2339

Monochromacy



Original Color

84.3745, 93.6097, 105.7169

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.7706, 92.0893, 102.0613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3745, 93.6097, 105.7169 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(227, 253, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 253, 252)  
}
```

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(227, 253, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 253, 252) }
```

Border

The CSS property to change the border of an element to XYZ 84.3745, 93.6097, 105.7169 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(227, 253, 252) }
```


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

```
.border{ border-color:rgb(227, 253, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 253, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 253, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 253, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 253,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3745, 93.6097, 105.7169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 253, 252) }
```

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

```
.background{ background-color: rgb(227,  
253, 252) }
```

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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