

Converting Colors

XYZ(84.0486, 94.8469,
105.5219)

Have a look what the booklet for
XYZ(84.0486, 94.8469, 105.5219)
contains.

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Color

**XYZ(83.6040, 94.1730,
105.0376)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFFB
RGB	223, 255, 251
RGB Percent	87%, 100%, 98%
CMY	0.1255, 0.0000, 0.0157
CMYK	0.13, 0.00, 0.02, 0.00
HSL	173°, 100%, 94%
HSV	173°, 13%, 100%
XYZ	83.6040, 94.1730, 105.0376
YIQ	244.9760, -17.7880, -8.0280

Conversions

Conversions Part 2

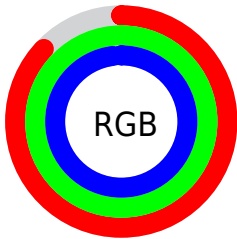
Format	Color
R_{YB}	223, 240, 255
Decimal	14680059
CIE Lab	97.70, -11.02, -1.58
CIE LCh	98, 11.135, 188.157
Yxy	94.1730, 0.2956, 0.3330
Android (android.graphics.Color)	4292870139 (0xFFDFFFFB)
YUV	244.9760, 2.9698, -19.2730
Hunter-Lab	97.0428, -16.0441, 3.7554

Details

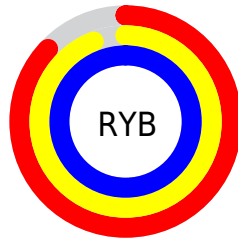
The XYZ color **83.6040, 94.1730, 105.0376** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.4934, 79.5826, 83.7391**, and the grayscale version is **86.7585, 91.2767, 99.4004**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1929, 52.6531, 59.3582** is the 20% darker color. If you saturate the color by 10%, you get **75.8323, 90.2241, 102.0751**, and if you desaturate by 10%, it is **92.5692, 98.7362, 108.1030**.

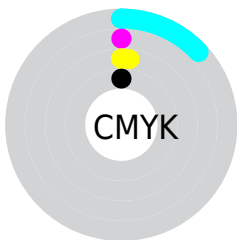
Distribution



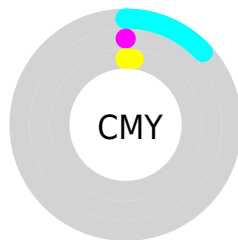
- Red (87%)
- Green (100%)
- Blue (98%)



- Red (87%)
- Yellow (94%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6040, 94.1730, 105.0376 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 83.6040, 94.1730, 105.0376 by changing the saturation by 10% instead.


 83.6040, 94.1730,
105.0376

 83.6040, 94.1730,
105.0376


495.5508,
541.5140, 597.6098

 63.0071, 71.4469,
79.8740

137.3452,
153.1216, 170.1750

 46.1057, 52.7069,
59.0891


171.2203,
190.1128, 210.9858

 32.5342, 37.5689,
42.2644


210.2522,
232.6278, 257.8496

 21.9274, 25.6483,
28.9813

254.8062,
281.0511, 311.1847

 13.9198, 16.5607,
18.8212

305.2477,
335.7669, 371.4097

 8.1463, 9.9218,
11.3656

361.9421,

 4.2413, 5.3471,

397.1598, 438.9432

6.1961

425.2547,
465.6140, 514.2038

■ 1.8395, 2.4523,
2.8940

■ 0.5413, 0.8526,
1.0407

■ 83.6040, 94.1730,
105.0376

■ 83.6040, 94.1730,
105.0376

■ 75.8323, 90.2241,
102.0751

■ 92.5692, 98.7362,
108.1030

■ 69.1986, 86.8608,
99.2084

95.0500, 100.0000,
108.9000

■ 63.6470, 84.0545,
96.4360

■ 59.1158, 81.7732,
93.7549

■ 55.5372, 79.9821,
91.1616

■ 52.8350, 78.6418,
88.6523

■ 50.9211, 77.7069,
86.2228

■ 49.6891, 77.1227,
83.8679

■ 49.0978, 76.8551,
82.1558

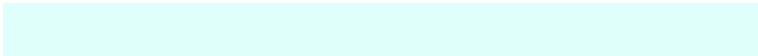
Harmonies

Analogous

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



83.9641, 94.1730, 96.1736



83.6040, 94.1730, 105.0376



84.7963, 94.1730, 113.7169

Triad

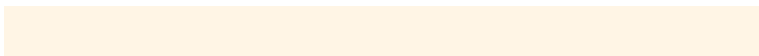
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6040, 94.1730, 105.0376



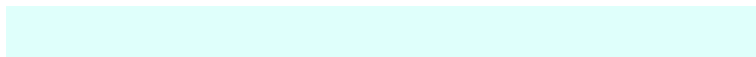
93.3312, 94.1730, 116.9008



91.7979, 94.1730, 87.1597

Complementary

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



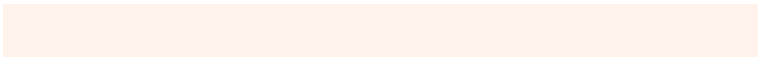
83.6040, 94.1730, 105.0376



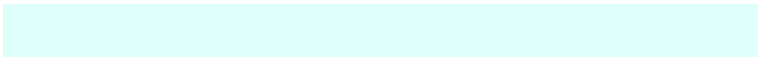
81.4934, 79.5826, 83.7391

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.



94.3923, 94.1730, 92.1175



83.6040, 94.1730, 105.0376



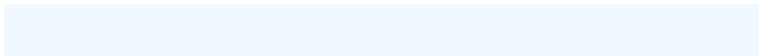
95.2920, 94.1730, 109.1780

Square

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



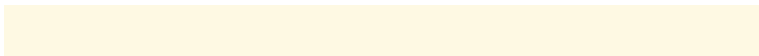
83.6040, 94.1730, 105.0376



90.3771, 94.1730, 120.8256



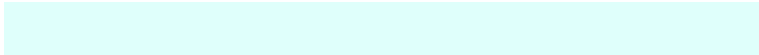
95.6849, 94.1730, 100.0791



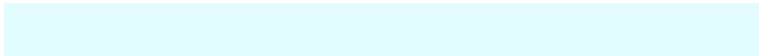
88.6457, 94.1730, 86.1962

Rectangle

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



83.6040, 94.1730, 105.0376



86.3281, 94.1730, 118.1096



95.6849, 94.1730, 100.0791



92.7663, 94.1730, 88.3997

Sweetspot

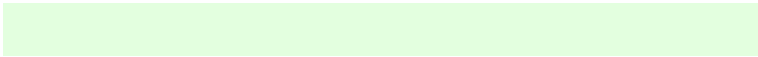
The Sweet Spot groups the original color and five complimentary colors.



83.6050, 94.1735, 105.0391



91.1919, 98.0347, 107.6519



80.8429, 93.2224, 83.5464



19.3683, 20.9068, 22.9921



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

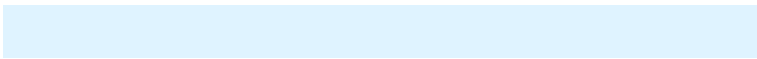
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6050, 94.1735, 105.0391



81.5909, 93.1494, 104.3033



80.6128, 87.1697, 107.1844



18.4514, 20.4401, 22.6800



25.6931, 40.1738, 43.1307



2.5279, 3.9221, 4.3376

Inverse Universe

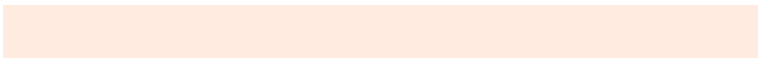
The Inverse Universe completely reimagines the original color for something new.



81.4934, 79.5826, 83.7391



79.1103, 76.0056, 79.2780



84.1920, 85.8527, 81.9474



18.1017, 18.0240, 19.1528



21.7126, 11.1743, 1.8710



2.1418, 1.0991, 0.3280

Previews

White Background



This preview shows how the XYZ color 83.6040, 94.1730, 105.0376 looks on a white background.

Color Contrast Check

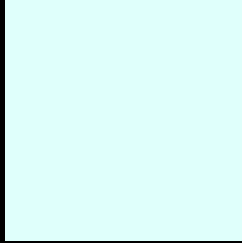
Large Text (above 18pt) WCAG AA × Fail

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 83.6040, 94.1730, 105.0376 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 83.6040, 94.1730, 105.0376

Background



This preview shows how black text looks on a background with the XYZ color 83.6040, 94.1730, 105.0376.



This preview shows how white text looks on a background with the XYZ color 83.6040, 94.1730,

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

83.6040, 94.1730, 105.0376

Protanopia

90.4033, 94.0580, 100.5790

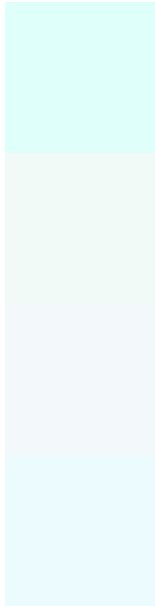
Deuteranopia

91.4511, 94.0737, 103.7805

Tritanopia

88.5436, 93.8486, 108.0556

Trichromacy



Original Color

83.6040, 94.1730, 105.0376

Protanomaly

87.7468, 94.0258, 102.3310

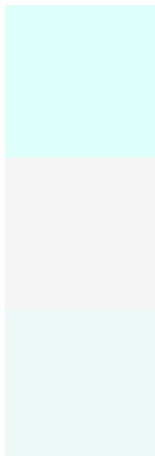
Deuteranomaly

88.0931, 93.7082, 103.8870

Tritanomaly

86.6475, 93.8123, 107.3067

Monochromacy



Original Color

83.6040, 94.1730, 105.0376

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.5892, 92.4713, 101.3334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6040, 94.1730, 105.0376 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(223, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 251)  
}
```

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(223, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 251) }
```

Border

The CSS property to change the border of an element to XYZ 83.6040, 94.1730, 105.0376 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(223, 255, 251) }
```


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

```
.border{ border-color:rgb(223, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6040, 94.1730, 105.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 251) }
```

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

```
.background{ background-color: rgb(223,  
255, 251) }
```

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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