

Converting Colors

XYZ(85.6614, 100.0000,
105.5801)

Have a look what the booklet for
XYZ(85.6614, 100.0000, 105.5801)
contains.

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Color

**XYZ(82.5305, 93.6378,
104.1666)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFFA
RGB	220, 255, 250
RGB Percent	86%, 100%, 98%
CMY	0.1372, 0.0000, 0.0196
CMYK	0.14, 0.00, 0.02, 0.00
HSL	171°, 100%, 93%
HSV	171°, 14%, 100%
XYZ	82.5305, 93.6378, 104.1666
YIQ	243.9650, -19.2550, -8.9750

Conversions

Conversions Part 2

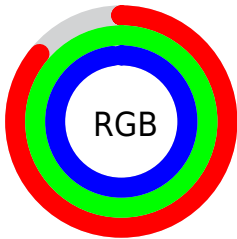
Format	Color
R _Y B	220, 239, 255
Decimal	14483450
CIE Lab	97.49, -12.15, -1.40
CIE LCh	97, 12.233, 186.592
Yxy	93.6378, 0.2944, 0.3340
Android (android.graphics.Color)	4292673530 (0xFFDCFFFA)
YUV	243.9650, 2.9753, -21.0173
Hunter-Lab	96.7666, -17.1022, 3.9126

Details

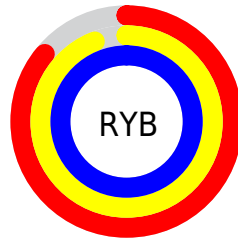
The XYZ color **82.5305, 93.6378, 104.1666** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.4244, 77.8837, 82.0285**, and the grayscale version is **85.9487, 90.4247, 98.4725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4487, 52.2825, 58.7351** is the 20% darker color. If you saturate the color by 10%, you get **74.8271, 89.7318, 100.8550**, and if you desaturate by 10%, it is **91.4239, 98.1558, 107.5944**.

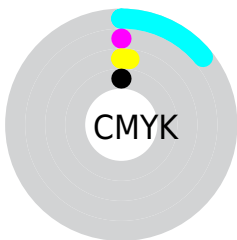
Distribution



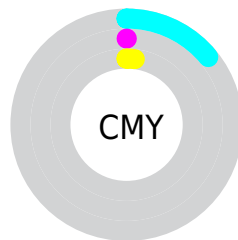
- Red (86%)
- Green (100%)
- Blue (98%)



- Red (86%)
- Yellow (94%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5305, 93.6378, 104.1666 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 82.5305, 93.6378, 104.1666 by changing the saturation by 10% instead.

82.5305, 93.6378,
104.1666

82.5305, 93.6378,
104.1666

492.0281,
539.7948, 594.8306

62.1185, 71.0017,
79.1486

135.8496,
152.3813, 168.9730

45.3844, 52.3436,
58.4959

169.4875,
189.2576, 209.5984

31.9629, 37.2790,
41.7901

208.2647,
231.6493, 256.2634

21.4886, 25.4236,
28.6127

252.5466,
279.9410, 309.3865

13.5961, 16.3929,
18.5449

302.6985,
334.5170, 369.3862

7.9201, 9.8026,
11.1685

359.0858,

4.0952, 5.2683,

395.7617, 436.6811

6.0647

422.0739,
464.0595, 511.6897

■ 1.7562, 2.4055,
2.8150

■ 0.4910, 0.8287,
1.0010

■ 82.5305, 93.6378,
104.1666

■ 82.5305, 93.6378,
104.1666

■ 74.8271, 89.7318,
100.8550

■ 91.4239, 98.1558,
107.5944

■ 68.2578, 86.4093,
97.6523

95.0500, 100.0000,
108.9000

■ 62.7661, 83.6411,
94.5570

■ 58.2898, 81.3950,
91.5657

■ 54.7601, 79.6357,
88.6751

■ 52.0995, 78.3232,
85.8810

■ 50.2184, 77.4113,
83.1791

■ 49.0073, 76.8436,
80.5638

■ 48.4913, 76.6125,
78.9621

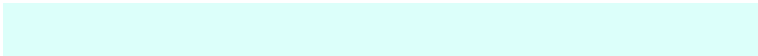
Harmonies

Analogous

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



83.0120, 93.6378, 94.5459



82.5305, 93.6378, 104.1666



83.7459, 93.6378, 113.7848

Triad

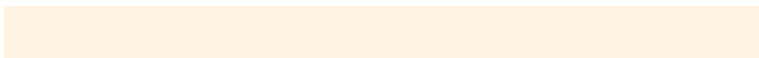
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5305, 93.6378, 104.1666



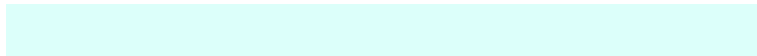
93.0398, 93.6378, 118.0926



91.6790, 93.6378, 85.3947

Complementary

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



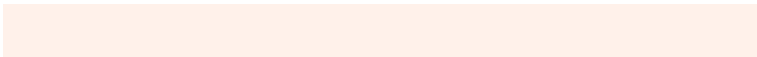
82.5305, 93.6378, 104.1666



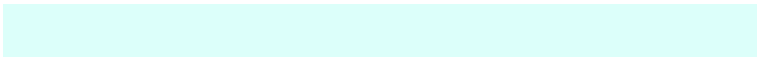
80.4244, 77.8837, 82.0285

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.



94.4692, 93.6378, 90.9762



82.5305, 93.6378, 104.1666



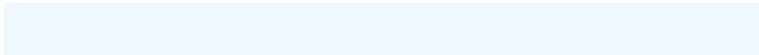
95.2691, 93.6378, 109.7428

Square

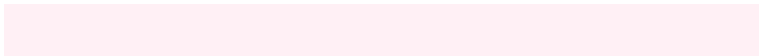
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5305, 93.6378, 104.1666



89.7686, 93.6378, 122.1557



95.7989, 93.6378, 99.7762



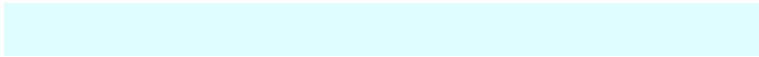
88.2356, 93.6378, 84.1150

Rectangle

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



82.5305, 93.6378, 104.1666



85.3740, 93.6378, 118.7660



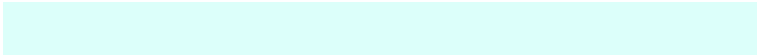
95.7989, 93.6378, 99.7762



92.7271, 93.6378, 86.8115

Sweetspot

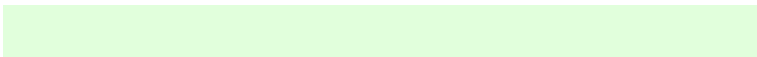
The Sweet Spot groups the original color and five complimentary colors.



82.5314, 93.6382, 104.1681



91.1628, 98.0231, 107.4985



79.8084, 92.7355, 81.4049



19.3609, 20.9038, 22.9531



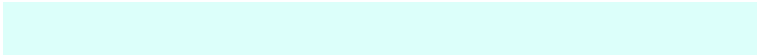
0.0000, 0.0000, 0.0000



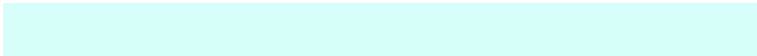
20.3446, 21.4041, 23.3091

Same Dimension

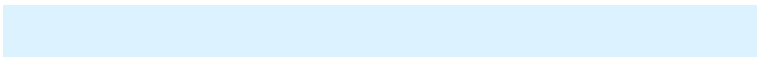
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5314, 93.6382, 104.1681



80.6759, 92.6966, 103.4044



79.5419, 86.3880, 107.0900



18.4367, 20.4342, 22.6028



25.3805, 40.0488, 41.4847



2.5005, 3.9111, 4.1932

Inverse Universe

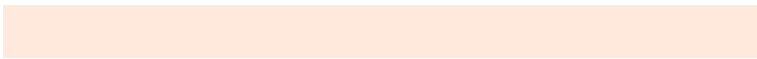
The Inverse Universe completely reimagines the original color for something new.



80.4244, 77.8837, 82.0285



78.2590, 74.6232, 78.0077



83.0859, 84.2822, 79.6006



18.1150, 18.0293, 19.2229



21.7503, 11.1894, 2.0694



2.1480, 1.1016, 0.3609

Previews

White Background



This preview shows how the XYZ color 82.5305, 93.6378, 104.1666 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 82.5305, 93.6378, 104.1666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

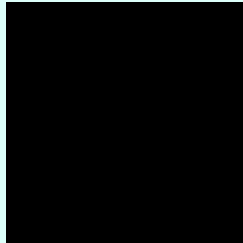
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

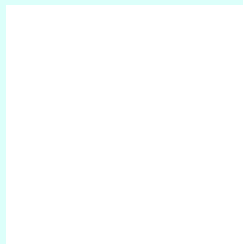
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.5305, 93.6378, 104.1666

Background



This preview shows how black text looks on a background with the XYZ color 82.5305, 93.6378, 104.1666.



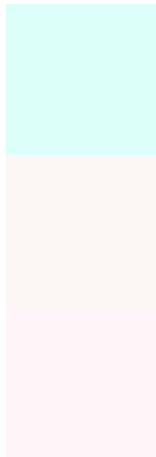
This preview shows how white text looks on a background with the XYZ color 82.5305, 93.6378,

104.1666.

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

82.5305, 93.6378, 104.1666

Protanopia

89.5821, 93.1996, 99.6540

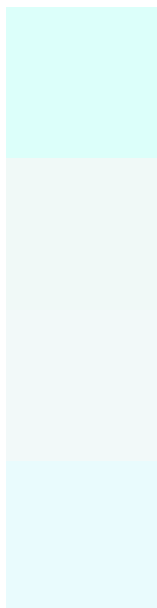
Deuteranopia

90.9913, 93.4044, 102.8556

Tritanopia

88.2013, 93.6721, 108.0396

Trichromacy



Original Color

82.5305, 93.6378, 104.1666

Protanomaly

86.5994, 92.9920, 101.3807

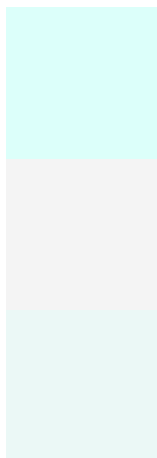
Deuteranomaly

87.5925, 93.4682, 103.0471

Tritanomaly

85.8311, 93.4098, 106.4346

Monochromacy



Original Color

82.5305, 93.6378, 104.1666

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.4629, 91.4508, 100.3889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.5305, 93.6378, 104.1666 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(220, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 250)  
}
```

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(220, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 250) }
```

Border

The CSS property to change the border of an element to XYZ 82.5305, 93.6378, 104.1666 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(220, 255, 250) }
```


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

```
.border{ border-color:rgb(220, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 82.5305, 93.6378, 104.1666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 250) }
```

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

```
.background{ background-color: rgb(220,  
255, 250) }
```

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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