

Converting Colors

XYZ(85.5303, 100.0000,
101.4930)

Have a look what the booklet for
XYZ(85.5303, 100.0000, 101.4930)
contains.

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Color

**XYZ(82.3656, 93.6422,
100.1198)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFF5
RGB	222, 255, 245
RGB Percent	87%, 100%, 96%
CMY	0.1294, 0.0000, 0.0392
CMYK	0.13, 0.00, 0.04, 0.00
HSL	162°, 100%, 94%
HSV	162°, 13%, 100%
XYZ	82.3656, 93.6422, 100.1198
YIQ	243.9930, -16.4580, -10.1060

Conversions

Conversions Part 2

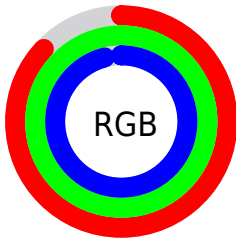
Format	Color
R _Y B	222, 241, 255
Decimal	14614517
CIE Lab	97.49, -12.48, 1.18
CIE LCh	97, 12.534, 174.577
Yxy	93.6422, 0.2983, 0.3391
Android (android.graphics.Color)	4292804597 (0xFFDEFFF5)
YUV	243.9930, 0.4965, -19.2879
Hunter-Lab	96.7689, -17.4139, 6.3951

Details

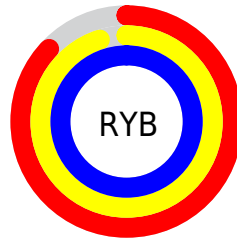
The XYZ color **82.3656, 93.6422, 100.1198** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.9273, 79.3297, 87.3381**, and the grayscale version is **85.9886, 90.4667, 98.5183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3157, 52.2778, 55.8463** is the 20% darker color. If you saturate the color by 10%, you get **73.9821, 89.4537, 93.6990**, and if you desaturate by 10%, it is **91.9813, 98.4601, 106.8583**.

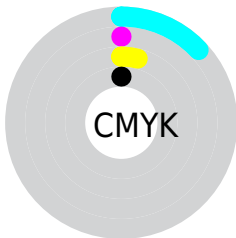
Distribution



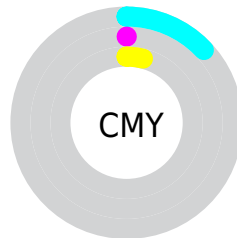
- Red (87%)
- Green (100%)
- Blue (96%)



- Red (87%)
- Yellow (95%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.3656, 93.6422, 100.1198 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 82.3656, 93.6422, 100.1198 by changing the saturation by 10% instead.


 82.3656, 93.6422,
100.1198

 82.3656, 93.6422,
100.1198


491.4858,
539.8089, 581.8267

 61.9821, 71.0054,
75.7832


135.6197,
152.3874, 163.3751

 45.2738, 52.3466,
55.7491


169.2210,
189.2646, 203.1309

 31.8753, 37.2814,
39.5992


207.9590,
231.6574, 248.8634

 21.4214, 25.4255,
26.9148

252.1989,
279.9502, 300.9912

 13.5466, 16.3943,
17.2773

302.3062,
334.5273, 359.9330

 7.8856, 9.8036,
10.2684

358.6462,

 4.0730, 5.2689,

395.7732, 426.1071

5.4693

421.5843,
464.0723, 499.9321

■ 1.7435, 2.4059,
2.4617

■ 0.4833, 0.8289,
0.8197

■ 82.3656, 93.6422,
100.1198

■ 82.3656, 93.6422,
100.1198

■ 73.9821, 89.4537,
93.6990

■ 91.9813, 98.4601,
106.8583

■ 66.7747, 85.8660,
87.5858

95.0500, 100.0000,
108.9000

■ 60.6868, 82.8499,
81.7759

■ 55.6559, 80.3732,
76.2632

■ 51.6133, 78.4005,
71.0411

■ 48.4819, 76.8923,
66.1027

■ 46.1723, 75.8025,
61.4405

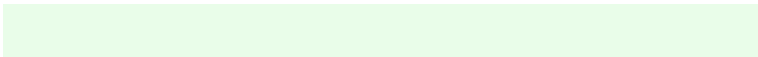
■ 44.5767, 75.0755,
57.0458

■ 43.7695, 74.7238,
54.0973

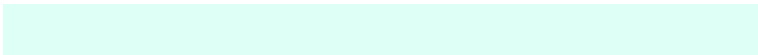
Harmonies

Analogous

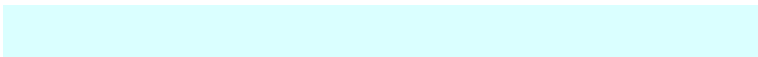
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5447, 93.6422, 91.0204



82.3656, 93.6422, 100.1198



82.9264, 93.6422, 110.3285

Triad

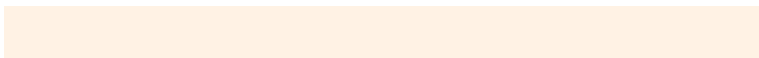
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3656, 93.6422, 100.1198



91.8799, 93.6422, 120.8367



93.0286, 93.6422, 86.8130

Complementary

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



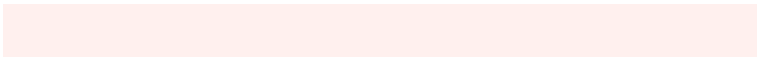
82.3656, 93.6422, 100.1198



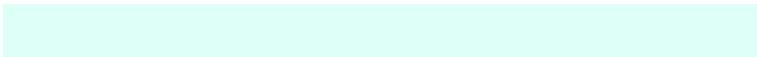
81.9273, 79.3297, 87.3381

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.



95.3718, 93.6422, 94.0266



82.3656, 93.6422, 100.1198



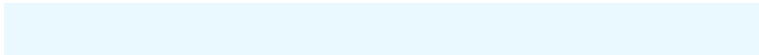
94.6963, 93.6422, 113.7438

Square

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



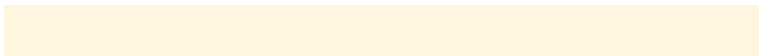
82.3656, 93.6422, 100.1198



88.3591, 93.6422, 122.7362



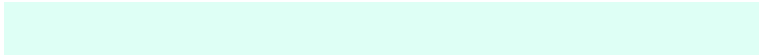
95.9901, 93.6422, 103.8235



89.6523, 93.6422, 83.6724

Rectangle

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



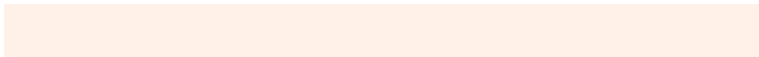
82.3656, 93.6422, 100.1198



84.2193, 93.6422, 116.3397



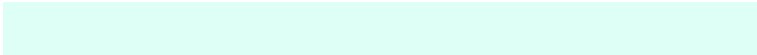
95.9901, 93.6422, 103.8235



93.9668, 93.6422, 88.8177

Sweetspot

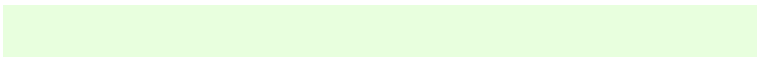
The Sweet Spot groups the original color and five complimentary colors.



82.3665, 93.6426, 100.1213



90.9028, 97.9191, 106.1294



82.3705, 94.0254, 82.9159



19.2949, 20.8774, 22.6058



0.0000, 0.0000, 0.0000



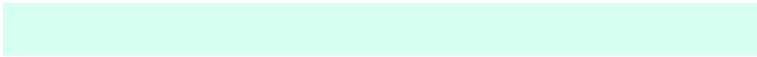
20.3446, 21.4041, 23.3091

Same Dimension

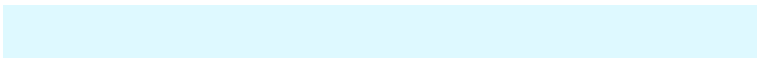
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3665, 93.6426, 100.1213



79.6730, 92.2955, 98.1232



82.0351, 90.4706, 107.7466



18.3067, 20.3822, 21.9179



22.9400, 39.0726, 28.6328



2.2822, 3.8238, 3.0437

Inverse Universe

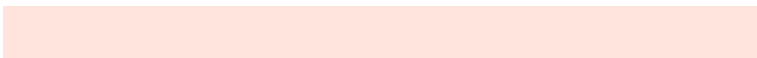
The Inverse Universe completely reimagines the original color for something new.



81.9273, 79.3297, 87.3381



79.1420, 74.9763, 82.6572



82.1826, 82.0492, 80.6141



18.2359, 18.0777, 19.8594



22.3112, 11.4138, 5.0231



2.2184, 1.1297, 0.7315

Previews

White Background



This preview shows how the XYZ color 82.3656, 93.6422, 100.1198 looks on a white background.

Color Contrast Check

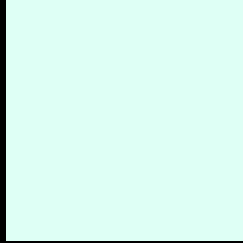
Large Text (above 18pt) WCAG AA × Fail

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 82.3656, 93.6422, 100.1198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

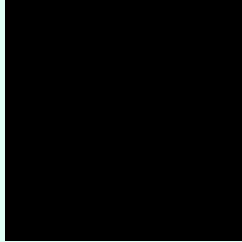
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

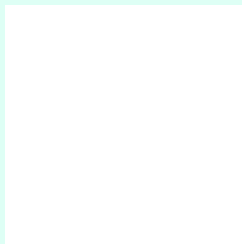
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.3656, 93.6422, 100.1198

Background



This preview shows how black text looks on a background with the XYZ color 82.3656, 93.6422, 100.1198.



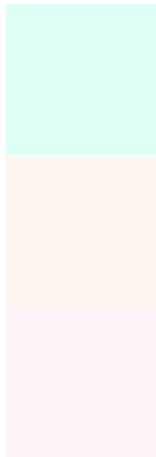
This preview shows how white text looks on a background with the XYZ color 82.3656, 93.6422,

100.1198.

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

82.3656, 93.6422, 100.1198

Protanopia

89.1920, 93.0855, 95.7044

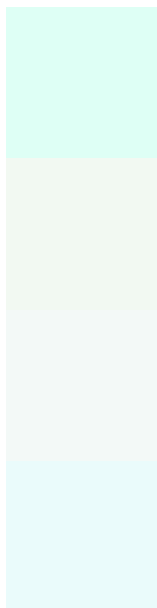
Deuteranopia

90.8357, 93.3421, 102.0362

Tritanopia

88.2013, 93.6721, 108.0396

Trichromacy



Original Color

82.3656, 93.6422, 100.1198

Protanomaly

86.5206, 93.0394, 97.4027

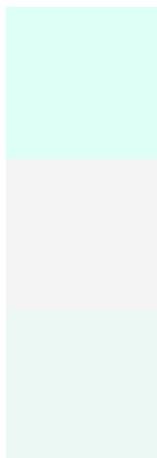
Deuteranomaly

87.6263, 93.5215, 101.4287

Tritanomaly

85.8415, 93.4518, 104.7805

Monochromacy



Original Color

82.3656, 93.6422, 100.1198

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.4886, 91.4993, 98.7961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3656, 93.6422, 100.1198 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(222, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 245)  
}
```

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(222, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 82.3656, 93.6422, 100.1198 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(222, 255, 245) }
```


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

```
.border{ border-color:rgb(222, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3656, 93.6422, 100.1198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 245) }
```

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

```
.background{ background-color: rgb(222,  
255, 245) }
```

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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