

Converting Colors

XYZ(82.6292, 91.2935,
100.2133)

Have a look what the booklet for
XYZ(82.6292, 91.2935, 100.2133)
contains.

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Color

**XYZ(82.8151, 91.5190,
100.4889)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FAF6
RGB	228, 250, 246
RGB Percent	89%, 98%, 96%
CMY	0.1059, 0.0196, 0.0353
CMYK	0.09, 0.00, 0.02, 0.02
HSL	169°, 69%, 94%
HSV	169°, 9%, 98%
XYZ	82.8151, 91.5190, 100.4889
YIQ	242.9660, -11.8280, -5.9080

Conversions

Conversions Part 2

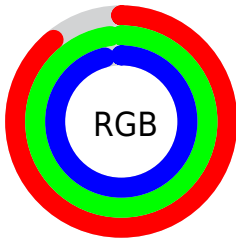
Format	Color
R _Y B	228, 240, 250
Decimal	15006454
CIE Lab	96.62, -7.89, -0.54
CIE LCh	97, 7.905, 183.948
Yxy	91.5190, 0.3013, 0.3330
Android (android.graphics.Color)	4293196534 (0xFFE4FAF6)
YUV	242.9660, 1.4958, -13.1252
Hunter-Lab	95.6656, -12.8921, 4.6866

Details

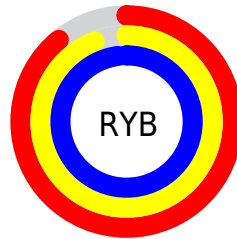
The XYZ color **82.8151, 91.5190, 100.4889** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7366, 81.6395, 87.7983**, and the grayscale version is **85.1618, 89.5968, 97.5710**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5993, 51.0719, 56.1697** is the 20% darker color. If you saturate the color by 10%, you get **74.7612, 87.4493, 96.5131**, and if you desaturate by 10%, it is **92.0381, 96.1945, 104.6125**.

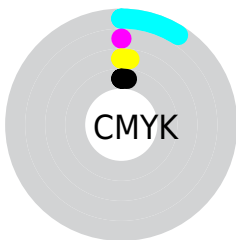
Distribution



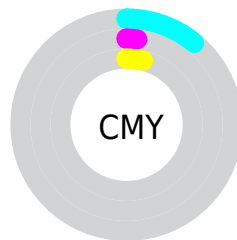
- Red (89%)
- Green (98%)
- Blue (96%)



- Red (89%)
- Yellow (94%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (11%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8151, 91.5190, 100.4889 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 82.8151, 91.5190, 100.4889 by changing the saturation by 10% instead.

82.8151, 91.5190,
100.4889

82.8151, 91.5190,
100.4889

492.9633,
532.9598, 583.0191

62.3540, 69.2412,
76.0897

136.2463,
149.4466, 163.8866

45.5755, 50.9082,
55.9990

169.9472,
185.8651, 203.7222

32.1142, 36.1355,
39.7981

208.7920,
227.7660, 249.5405

21.6047, 24.5389,
27.0686

253.1462,
275.5337, 301.7598

13.6817, 15.7338,
17.3919

303.3751,
329.5525, 360.7988

7.9798, 9.3360,
10.3494

359.8440,

4.1337, 4.9610,

390.2069, 427.0760

5.5226

422.9183,
457.8812, 501.0099

■ 1.7781, 2.2244,
2.4930

■ 0.5044, 0.7332,
0.8364

■ 82.8151, 91.5190,
100.4889

■ 82.8151, 91.5190,
100.4889

■ 74.7612, 87.4493,
96.5131

■ 92.0381, 96.1945,
104.6125

■ 67.8196, 83.9485,
92.6762

■ 93.4773, 96.8546,
108.3758

■ 61.9402, 80.9933,
88.9770

■ 57.0660, 78.5544,
85.4122

■ 53.1347, 76.5997,
81.9782

■ 50.0768, 75.0933,
78.6712

■ 47.8133, 73.9946,
75.4868

■ 46.2504, 73.2551,
72.4199

■ 45.2516, 72.8046,
69.4635

Harmonies

Analogous

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



83.2239, 91.5190, 94.3985



82.8151, 91.5190, 100.4889



83.5083, 91.5190, 106.6007

Triad

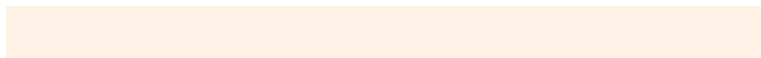
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8151, 91.5190, 100.4889



89.3808, 91.5190, 110.0893



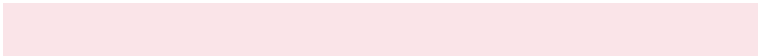
88.8658, 91.5190, 89.1098

Complementary

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



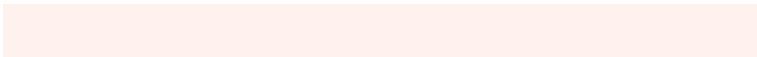
82.8151, 91.5190, 100.4889



81.7366, 81.6395, 87.7983

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.



90.5591, 91.5190, 93.0056



82.8151, 91.5190, 100.4889



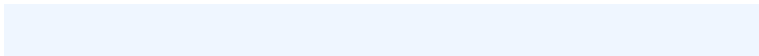
90.8600, 91.5190, 105.0899

Square

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



82.8151, 91.5190, 100.4889



87.2790, 91.5190, 112.2899



91.2948, 91.5190, 98.8131



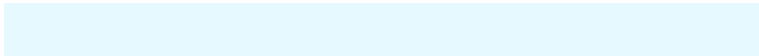
86.6938, 91.5190, 87.9936

Rectangle

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



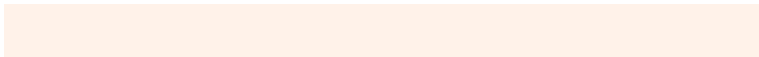
82.8151, 91.5190, 100.4889



84.5090, 91.5190, 109.8156



91.2948, 91.5190, 98.8131



89.5111, 91.5190, 90.1294

Sweetspot

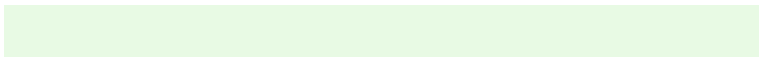
The Sweet Spot groups the original color and five complimentary colors.



82.8177, 91.5229, 100.4909



92.0680, 98.4885, 107.5948



81.4816, 91.1380, 86.6972



19.5398, 20.9962, 22.9556



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

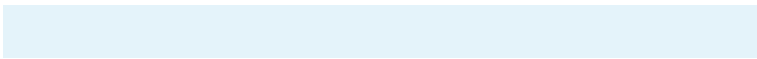
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8177, 91.5229, 100.4909



84.6618, 94.7384, 104.1812



81.3136, 87.5206, 103.0544



17.6223, 19.5512, 21.4778



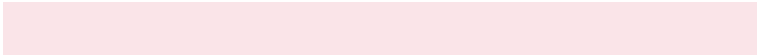
23.9963, 38.6115, 36.9193



2.2565, 3.5897, 3.5988

Inverse Universe

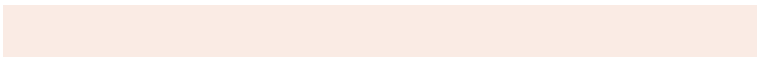
The Inverse Universe completely reimagines the original color for something new.



81.7366, 81.6395, 87.7983



83.2686, 82.0001, 87.8230



83.1299, 85.3259, 85.4885



17.3736, 17.2768, 18.5570



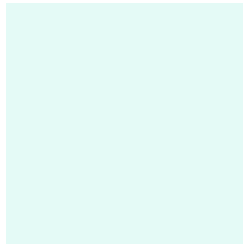
21.2055, 10.8979, 2.5247



1.9980, 1.0229, 0.4129

Previews

White Background



This preview shows how the XYZ color 82.8151, 91.5190, 100.4889 looks on a white background.

Color Contrast Check

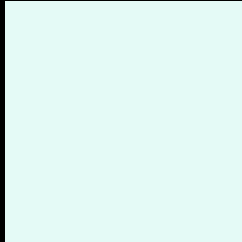
Large Text (above 18pt) WCAG AA × Fail

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 82.8151, 91.5190, 100.4889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

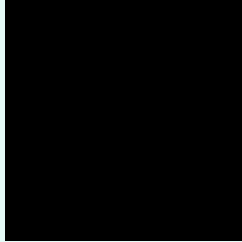
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

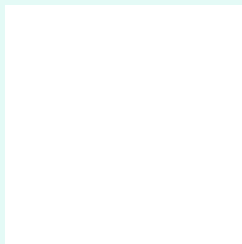
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8151, 91.5190, 100.4889

Background



This preview shows how black text looks on a background with the XYZ color 82.8151, 91.5190, 100.4889.



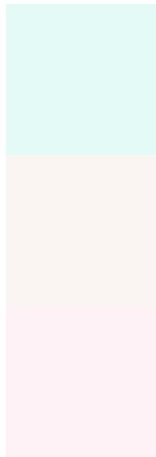
This preview shows how white text looks on a background with the XYZ color 82.8151, 91.5190,

100.4889.

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

82.8151, 91.5190, 100.4889

Protanopia

87.8020, 91.4362, 97.0257

Deuteranopia

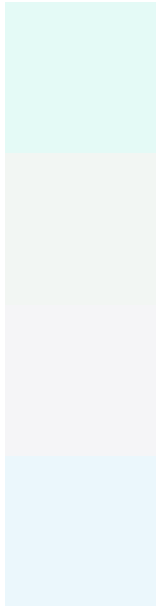
89.7806, 91.4797, 100.9211



Tritanopia

86.6024, 91.4823, 107.7011

Trichromacy



Original Color

82.8151, 91.5190, 100.4889

Protanomaly

85.7514, 91.2598, 97.8893

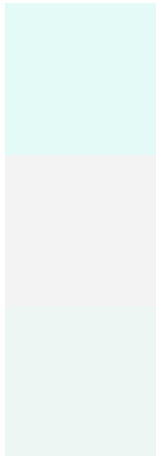
Deuteranomaly

87.0971, 91.4327, 101.0535

Tritanomaly

85.0924, 91.2120, 105.2163

Monochromacy



Original Color

82.8151, 91.5190, 100.4889

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.5448, 90.6203, 98.6234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8151, 91.5190, 100.4889 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, 250, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 250, 246)  
}
```

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, 250, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 250, 246) }
```

Border

The CSS property to change the border of an element to XYZ 82.8151, 91.5190, 100.4889 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, 250, 246) }
```


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

```
.border{ border-color:rgb(228, 250, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 250, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 250, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 250, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 250,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8151, 91.5190, 100.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 250, 246) }
```

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

```
.background{ background-color: rgb(228,  
250, 246) }
```

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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