

Converting Colors

XYZ(80.8866, 90.8063, 99.7572)

Have a look what the booklet for
XYZ(80.8866, 90.8063, 99.7572)
contains.

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Color

**XYZ(81.1028, 91.1165,
99.6989)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFBF5
RGB	222, 251, 245
RGB Percent	87%, 98%, 96%
CMY	0.1294, 0.0157, 0.0392
CMYK	0.12, 0.00, 0.02, 0.02
HSL	168°, 78%, 93%
HSV	168°, 12%, 98%
XYZ	81.1028, 91.1165, 99.6989
YIQ	241.6450, -15.3580, -8.0140

Conversions

Conversions Part 2

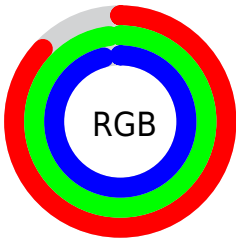
Format	Color
R _Y B	222, 238, 251
Decimal	14613493
CIE Lab	96.46, -10.49, -0.32
CIE LCh	96, 10.493, 181.735
Yxy	91.1165, 0.2983, 0.3351
Android (android.graphics.Color)	4292803573 (0xFFDEFBF5)
YUV	241.6450, 1.6540, -17.2287
Hunter-Lab	95.4550, -15.3846, 4.8924

Details

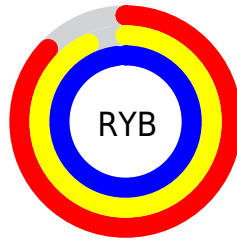
The XYZ color **81.1028, 91.1165, 99.6989** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.9118, 78.3556, 84.3152**, and the grayscale version is **84.1157, 88.4963, 96.3724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4134, 50.4732, 55.5456** is the 20% darker color. If you saturate the color by 10%, you get **73.1984, 87.1345, 95.2478**, and if you desaturate by 10%, it is **90.1791, 95.7051, 104.3249**.

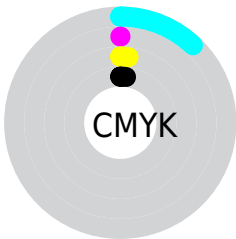
Distribution



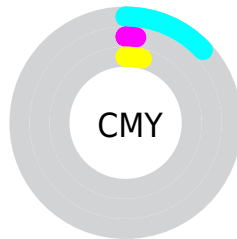
- Red (87%)
- Green (98%)
- Blue (96%)



- Red (87%)
- Yellow (93%)
- Blue (98%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)





- Cyan (13%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1028, 91.1165, 99.6989 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 81.1028, 91.1165, 99.6989 by changing the saturation by 10% instead.


 81.1028, 91.1165,
99.6989

 81.1028, 91.1165,
99.6989

487.3217,
531.6561, 580.4653

 60.9378, 68.9070,
75.4336


133.8575,
148.8883, 162.7916

 44.4274, 50.6360,
55.4643


167.1780,
185.2194, 202.4561

 31.2060, 35.9190,
39.3725


205.6143,
227.0265, 248.0908

 20.9083, 24.3717,
26.7396

249.5319,
274.6941, 300.1141

 13.1691, 15.6095,
17.1470

299.2961,
328.6064, 358.9447

 7.6229, 9.2483,
10.1763

355.2722,

 3.9044, 4.9035,

389.1479, 425.0011

5.4089

417.8256,
456.7030, 498.7018

■ 1.6482, 2.1907,
2.4262

■ 0.4235, 0.7149,
0.8007

■ 81.1028, 91.1165,
99.6989

■ 81.1028, 91.1165,
99.6989

■ 73.1984, 87.1345,
95.2478

■ 90.1791, 95.7051,
104.3249

■ 66.4076, 83.7215,
90.9623

■ 93.7889, 97.4777,
108.4796

■ 60.6787, 80.8534,
86.8409

■ 55.9526, 78.4999,
82.8798

■ 52.1647, 76.6274,
79.0751

■ 49.2423, 75.1987,
75.4224

■ 47.1021, 74.1708,
71.9167

■ 45.6439, 73.4919,
68.5525

■ 44.8133, 73.1235,
65.8146

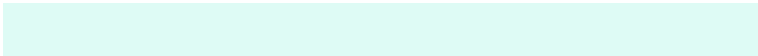
Harmonies

Analogous

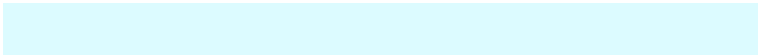
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7439, 91.1165, 91.7768



81.1028, 91.1165, 99.6989



81.9078, 91.1165, 107.9259

Triad

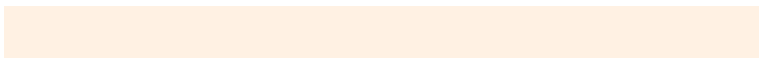
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1028, 91.1165, 99.6989



89.5955, 91.1165, 113.5492



89.2941, 91.1165, 85.6895

Complementary

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



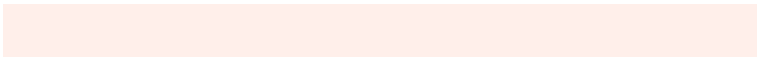
81.1028, 91.1165, 99.6989



79.9118, 78.3556, 84.3152

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.



91.4753, 91.1165, 90.9772



81.1028, 91.1165, 99.6989



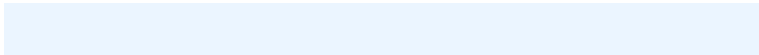
91.6520, 91.1165, 107.0348

Square

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



81.1028, 91.1165, 99.6989



86.7739, 91.1165, 116.1963



92.3475, 91.1165, 98.7235



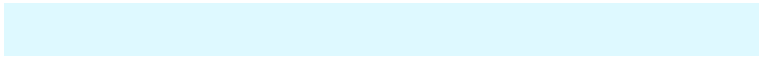
86.4333, 91.1165, 83.9661

Rectangle

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



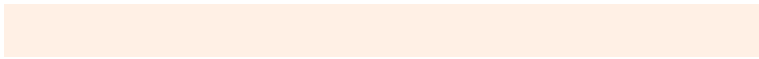
81.1028, 91.1165, 99.6989



83.1670, 91.1165, 112.4017



92.3475, 91.1165, 98.7235



90.1333, 91.1165, 87.0937

Sweetspot

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



81.1054, 91.1203, 99.7009



92.0374, 98.4763, 107.4337



79.7697, 90.8126, 82.4329



19.5315, 20.9929, 22.9119



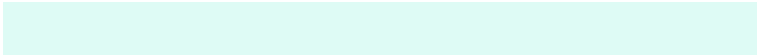
0.0000, 0.0000, 0.0000



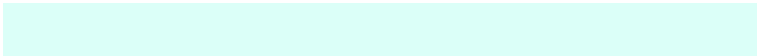
20.3446, 21.4041, 23.3091

Same Dimension

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



81.1054, 91.1203, 99.7009



81.9466, 93.3798, 102.1953



79.5254, 86.4695, 103.7701



17.6029, 19.5434, 21.3752



23.6092, 38.4567, 34.8809



2.2240, 3.5767, 3.4274

Inverse Universe

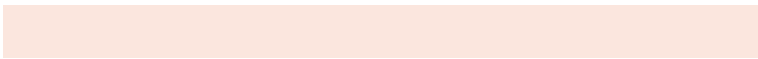
The Inverse Universe completely reimagines the original color for something new.



79.9118, 78.3556, 84.3152



80.4722, 77.6086, 83.1874



81.3287, 82.5002, 80.7463



17.3915, 17.2840, 18.6517



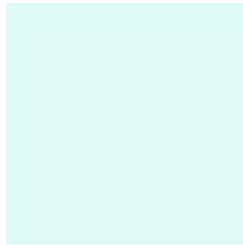
21.2791, 10.9274, 2.9123



2.0073, 1.0267, 0.4620

Previews

White Background



This preview shows how the XYZ color 81.1028, 91.1165, 99.6989 looks on a white background.

Color Contrast Check

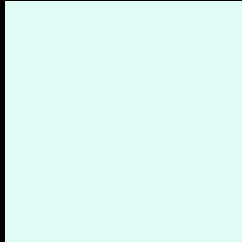
Large Text (above 18pt) WCAG AA × Fail

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 81.1028, 91.1165, 99.6989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

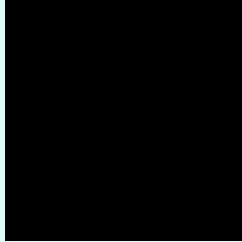
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

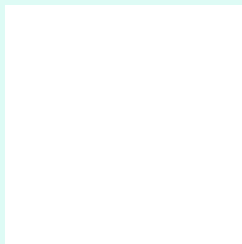
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.1028, 91.1165, 99.6989

Background



This preview shows how black text looks on a background with the XYZ color 81.1028, 91.1165, 99.6989.



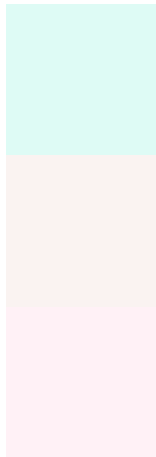
This preview shows how white text looks on a background with the XYZ color 81.1028, 91.1165,

99.6989.

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

81.1028, 91.1165, 99.6989

Protanopia

87.3521, 90.7761, 96.1367

Deuteranopia

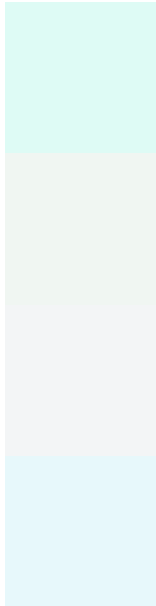
89.3298, 90.8244, 100.0115



Tritanopia

85.5978, 90.9644, 107.6541

Trichromacy



Original Color

81.1028, 91.1165, 99.6989

Protanomaly

84.9180, 90.8476, 97.0641

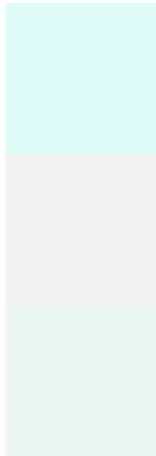
Deuteranomaly

86.2491, 91.0133, 100.2103

Tritanomaly

83.9350, 91.0888, 104.4248

Monochromacy



Original Color

81.1028, 91.1165, 99.6989

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.0910, 89.4380, 97.6779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1028, 91.1165, 99.6989 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, 251, 245)` looks like.

```
.text, #text, p{  
    color:rgb(222, 251, 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, 251, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 251, 245) }
```

Border

The CSS property to change the border of an element to XYZ 81.1028, 91.1165, 99.6989 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, 251, 245) }
```


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

```
.border{ border-color:rgb(222, 251, 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, 251, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 251, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 251, 245);  
box-shadow:4px 4px 4px 4px rgb(222, 251,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1028, 91.1165, 99.6989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 251, 245) }
```

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

```
.background{ background-color: rgb(222,  
251, 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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