

Converting Colors

XYZ(72.9331, 81.6610, 84.5842)

Have a look what the booklet for
XYZ(72.9331, 81.6610, 84.5842)
contains.

XYZ(73.0505, 81.8780, 84.6269)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(73.0505, 81.8780,
84.6269)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EFE3
RGB	216, 239, 227
RGB Percent	85%, 94%, 89%
CMY	0.1529, 0.0627, 0.1098
CMYK	0.10, 0.00, 0.05, 0.06
HSL	149°, 42%, 89%
HSV	149°, 10%, 94%
XYZ	73.0505, 81.8780, 84.6269
YIQ	230.7550, -9.8560, -8.6080

Conversions

Conversions Part 2

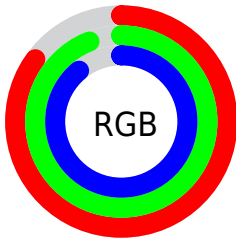
Format	Color
R _Y B	216, 232, 239
Decimal	14217187
CIE Lab	92.52, -9.76, 3.22
CIE LCh	93, 10.281, 161.746
Yxy	81.8780, 0.3049, 0.3418
Android (android.graphics.Color)	4292407267 (0xFFD8EFE3)
YUV	230.7550, -1.8512, -12.9401
Hunter-Lab	90.4865, -14.2467, 7.8899

Details

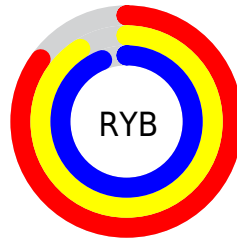
The XYZ color **73.0505, 81.8780, 84.6269** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1590, 73.0659, 83.5971**, and the grayscale version is **75.7940, 79.7412, 86.8381**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0778, 44.4226, 45.5445** is the 20% darker color. If you saturate the color by 10%, you get **64.8373, 77.8380, 75.5808**, and if you desaturate by 10%, it is **82.4200, 86.5043, 94.3814**.

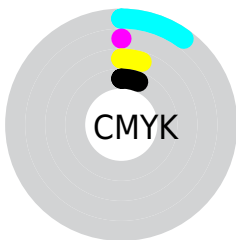
Distribution



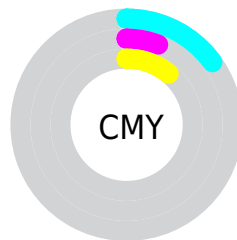
- Red (85%)
- Green (94%)
- Blue (89%)



- Red (85%)
- Yellow (91%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0505, 81.8780, 84.6269 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 73.0505, 81.8780, 84.6269 by changing the saturation by 10% instead.

73.0505, 81.8780,
84.6269

73.0505, 81.8780,
84.6269

460.2909,
501.2395, 530.5050

54.3058, 61.2650,
62.9848

122.5516,
136.0029, 141.7213

39.0778, 44.4390,
45.3880

154.0388,
170.2836, 178.0107

27.0013, 31.0158,
31.4180

190.5041,
209.8889, 220.0195

17.7108, 20.6109,
20.6562

232.3130,
255.2033, 268.1664

10.8410, 12.8399,
12.6841

279.8307,
306.6112, 322.8699

6.0265, 7.3184,
7.0832

333.4227,

2.9020, 3.6620,

364.4969, 384.5484

3.4350

393.4543,
429.2449, 453.6206

■ 1.1022, 1.4863,
1.3208

■ 0.0269, 0.2791,
0.0787

■ 73.0505, 81.8780,
84.6269

■ 73.0505, 81.8780,
84.6269

■ 64.8373, 77.8380,
75.5808

■ 82.4200, 86.5043,
94.3814

■ 57.7269, 74.3501,
67.2220

■ 89.6700, 90.0209,
104.6993

■ 51.6713, 71.3922,
59.5356

■ 90.1581, 90.2162,
107.2694

■ 46.6167, 68.9368,
52.5045

■ 42.5038, 66.9538,
46.1108

■ 39.2670, 65.4096,
40.3356

■ 36.8318, 64.2663,
35.1588

■ 35.1097, 63.4786,
30.5592

■ 33.9599, 62.9742,
26.5120

Harmonies

Analogous

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



74.4558, 81.8780, 78.6301



73.0505, 81.8780, 84.6269



72.9061, 81.8780, 92.1765

Triad

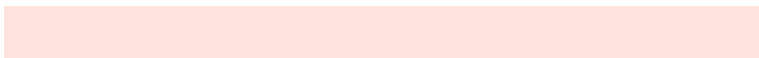
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0505, 81.8780, 84.6269



78.8719, 81.8780, 104.3271



81.7142, 81.8780, 79.7200

Complementary

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



73.0505, 81.8780, 84.6269



74.1590, 73.0659, 83.5971

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.



82.9553, 81.8780, 86.1929



73.0505, 81.8780, 84.6269



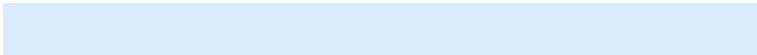
81.2894, 81.8780, 100.5713

Square

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



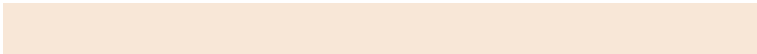
73.0505, 81.8780, 84.6269



76.2264, 81.8780, 103.8483



82.7981, 81.8780, 93.8340



79.4409, 81.8780, 75.9106

Rectangle

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



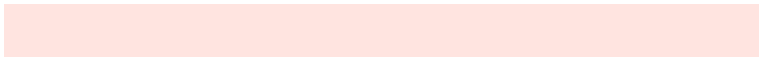
73.0505, 81.8780, 84.6269



73.5400, 81.8780, 97.1092



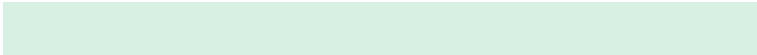
82.7981, 81.8780, 93.8340



82.2682, 81.8780, 81.6404

Sweetspot

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



73.0528, 81.8815, 84.6287



91.6552, 98.3234, 105.4211



75.3437, 83.2323, 77.0612



19.4283, 20.9516, 22.3682



0.0000, 0.0000, 0.0000



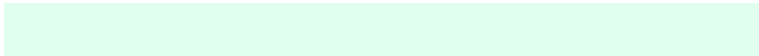
20.3446, 21.4041, 23.3091

Same Dimension

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



73.0528, 81.8815, 84.6287



82.2094, 93.6652, 95.4329



74.6551, 82.5224, 93.0665



15.8807, 17.7823, 18.3946



18.8105, 34.8162, 14.9170



1.6149, 2.9164, 1.5042

Inverse Universe

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



74.1590, 73.0659, 83.5971



83.7861, 81.0997, 93.9623



72.6489, 72.4619, 75.6453



16.1173, 15.8966, 18.1740



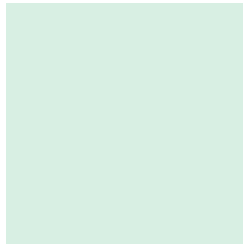
21.7738, 10.9819, 11.9913



1.8617, 0.9337, 1.2623

Previews

White Background



This preview shows how the XYZ color 73.0505, 81.8780, 84.6269 looks on a white background.

Color Contrast Check

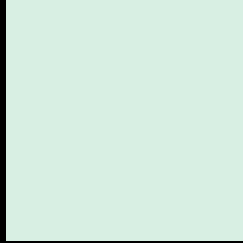
Large Text (above 18pt) WCAG AA × Fail

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 73.0505, 81.8780, 84.6269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

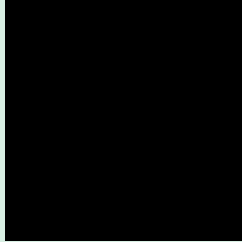
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

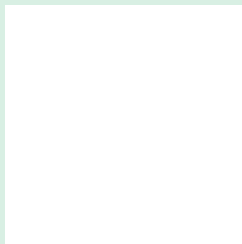
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.0505, 81.8780, 84.6269

Background



This preview shows how black text looks on a background with the XYZ color 73.0505, 81.8780, 84.6269.



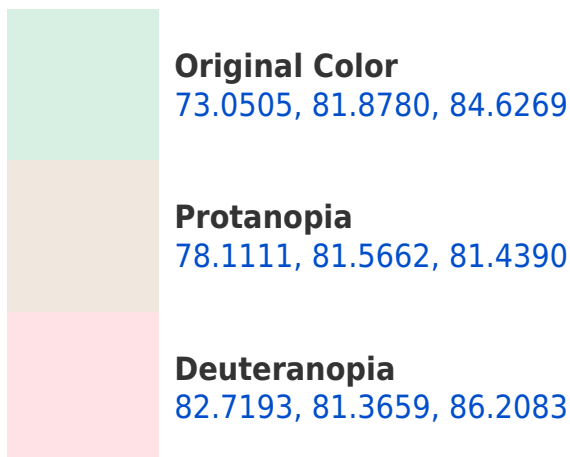
This preview shows how white text looks on a background with the XYZ color 73.0505, 81.8780,

84.6269.

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

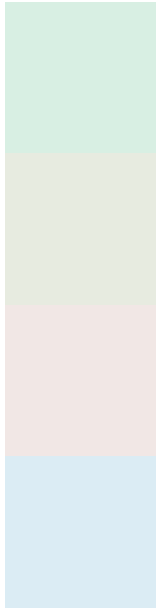




Tritanopia

77.1129, 81.7881, 105.4883

Trichromacy



Original Color

73.0505, 81.8780, 84.6269

Protanomaly

76.1179, 81.7874, 82.2957

Deuteranomaly

78.9944, 81.5097, 85.6982

Tritanomaly

75.5380, 81.5826, 97.3537

Monochromacy



Original Color

73.0505, 81.8780, 84.6269

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.0698, 80.7276, 86.4883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.0505, 81.8780, 84.6269 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(216, 239, 227) looks like.

```
.text, #text, p{  
    color:rgb(216, 239, 227)  
}
```

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(216, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 239, 227) }
```

Border

The CSS property to change the border of an element to XYZ 73.0505, 81.8780, 84.6269 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(216, 239, 227) }
```


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

```
.border{ border-color:rgb(216, 239, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 239, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 239,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 73.0505, 81.8780, 84.6269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 239, 227) }
```

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

```
.background{ background-color: rgb(216,  
239, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor