

Converting Colors

XYZ(72.5084, 80.3094, 90.6343)

Have a look what the booklet for
XYZ(72.5084, 80.3094, 90.6343)
contains.

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Color

**XYZ(72.4314, 80.1352,
90.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	D5ECEB
RGB	213, 236, 235
RGB Percent	84%, 93%, 92%
CMY	0.1647, 0.0745, 0.0784
CMYK	0.10, 0.00, 0.00, 0.07
HSL	177°, 38%, 88%
HSV	177°, 10%, 93%
XYZ	72.4314, 80.1352, 90.2474
YIQ	229.0090, -13.3870, -5.1870

Conversions

Conversions Part 2

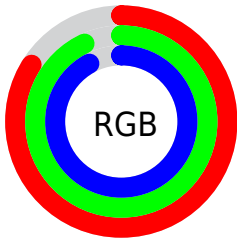
Format	Color
R _Y B	213, 225, 236
Decimal	14019819
CIE Lab	91.75, -7.72, -2.10
CIE LCh	92, 7.999, 195.226
Yxy	80.1352, 0.2983, 0.3300
Android (android.graphics.Color)	4292209899 (0xFFD5ECEB)
YUV	229.0090, 2.9536, -14.0399
Hunter-Lab	89.5183, -12.2283, 2.8899

Details

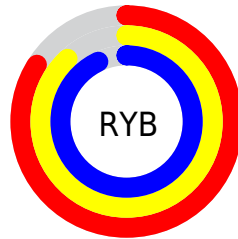
The XYZ color **72.4314, 80.1352, 90.2474** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5268, 70.2785, 73.4698**, and the grayscale version is **74.4707, 78.3490, 85.3220**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5585, 43.1663, 48.9475** is the 20% darker color. If you saturate the color by 10%, you get **65.9302, 76.8030, 89.1705**, and if you desaturate by 10%, it is **79.9342, 83.9880, 91.3790**.

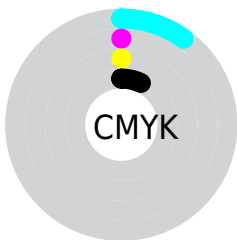
Distribution



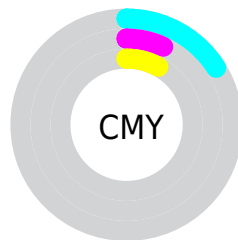
- Red (84%)
- Green (93%)
- Blue (92%)



- Red (84%)
- Yellow (88%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4314, 80.1352, 90.2474 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 72.4314, 80.1352, 90.2474 by changing the saturation by 10% instead.

72.4314, 80.1352,
90.2474

72.4314, 80.1352,
90.2474

458.1761,
495.3884, 549.4262

53.7979, 59.8296,
67.6110

121.6772,
133.5558, 149.6205

38.6701, 43.2813,
49.1166

153.0201,
167.4396, 187.1943

26.6828, 30.1059,
34.3457

189.3302,
206.6183, 230.5843

17.4705, 19.9190,
22.8798

230.9729,
251.4762, 280.2090

10.6679, 12.3362,
14.3003

278.3135,
302.3978, 336.4870

5.9096, 6.9731,
8.1887

331.7173,

2.8303, 3.4453,

359.7674, 399.8369

4.1264

391.5497,
423.9695, 470.6771

■ 1.0647, 1.3684,
1.6950

■ 0.0000, 0.1932,
0.3573

■ 72.4314, 80.1352,
90.2474

■ 72.4314, 80.1352,
90.2474

■ 65.9302, 76.8030,
89.1705

■ 79.9342, 83.9880,
91.3790

■ 60.3809, 73.9593,
88.1410


■ 86.5319, 87.3719,
92.4711


■ 55.7398, 71.5837,
87.1584


■ 86.6829, 87.4323,
93.2660


■ 51.9572, 69.6505,
86.2205


■ 86.8347, 87.4930,
94.0654


 48.9786, 68.1317,
85.3247


 86.9873, 87.5541,
94.8694


 46.7432, 66.9960,
84.4681


 87.1409, 87.6155,
95.6780


 45.1815, 66.2074,
83.6475

 87.2953, 87.6772,
96.4912

 44.2111, 65.7236,
82.8591

 87.4506, 87.7394,
97.3089

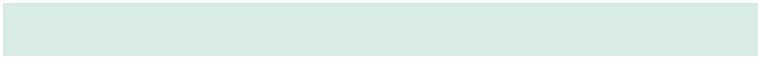
 43.6956, 65.4742,
82.0963

 87.6068, 87.8018,
98.1313

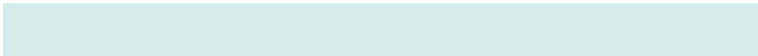
Harmonies

Analogous

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



72.4236, 80.1352, 84.4108



72.4314, 80.1352, 90.2474



73.4277, 80.1352, 95.5021

Triad

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



72.4314, 80.1352, 90.2474



78.9943, 80.1352, 95.4353



77.1741, 80.1352, 76.8024

Complementary

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



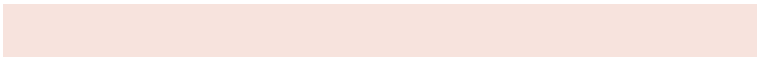
72.4314, 80.1352, 90.2474



70.5268, 70.2785, 73.4698

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.



78.9718, 80.1352, 79.4943



72.4314, 80.1352, 90.2474



80.0353, 80.1352, 90.1595

Square

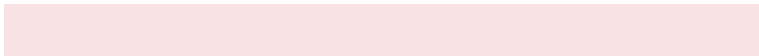
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



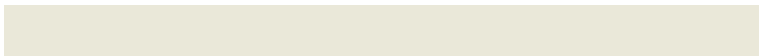
72.4314, 80.1352, 90.2474



77.2044, 80.1352, 98.5874



80.0270, 80.1352, 84.3268



75.1372, 80.1352, 76.8236

Rectangle

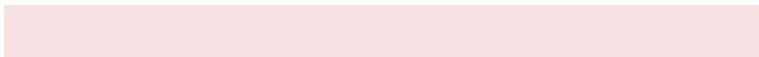
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4314, 80.1352, 90.2474



74.5288, 80.1352, 97.8929



80.0270, 80.1352, 84.3268



77.8272, 80.1352, 77.4145

Sweetspot

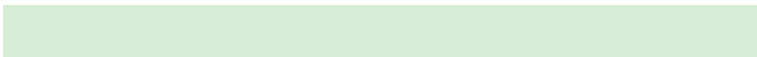
The Sweet Spot groups the original color and five complimentary colors.



72.4337, 80.1386, 90.2492



92.2376, 98.5564, 108.4882



69.7834, 79.1171, 74.5452



19.5858, 21.0146, 23.1976



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.



72.4337, 80.1386, 90.2492



84.4604, 94.5656, 107.2864



69.6845, 74.4074, 90.0501



15.4876, 17.1099, 19.2507



24.0916, 36.0911, 45.3088



1.9006, 2.8375, 3.6043

Inverse Universe

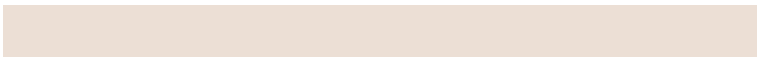
The Inverse Universe completely reimagines the original color for something new.



70.5268, 70.2785, 73.4698



81.6944, 80.2630, 82.9475



73.0865, 75.6023, 73.6926



15.0921, 15.0647, 15.7703



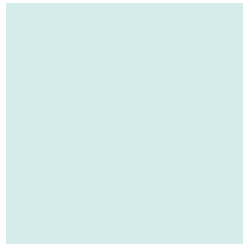
19.1111, 9.8471, 1.1202



1.5101, 0.7770, 0.1375

Previews

White Background



This preview shows how the XYZ color 72.4314, 80.1352, 90.2474 looks on a white background.

Color Contrast Check

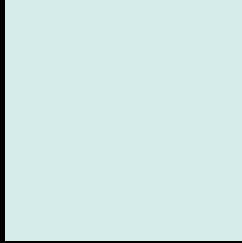
Large Text (above 18pt) WCAG AA × Fail

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 72.4314, 80.1352, 90.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

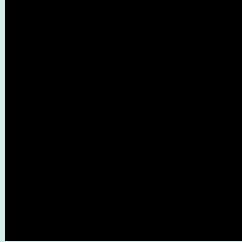
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

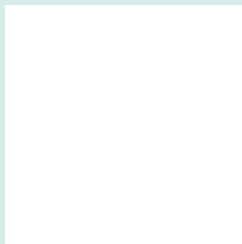
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.4314, 80.1352, 90.2474

Background



This preview shows how black text looks on a background with the XYZ color 72.4314, 80.1352, 90.2474.



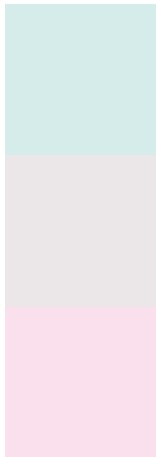
This preview shows how white text looks on a background with the XYZ color 72.4314, 80.1352,

90.2474.

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

72.4314, 80.1352, 90.2474

Protanopia

76.9816, 80.0253, 86.9904

Deuteranopia

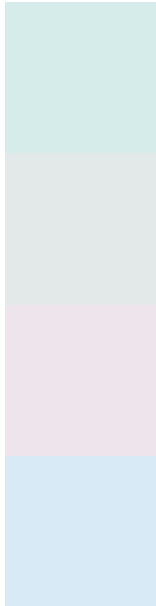
81.3661, 79.7497, 91.2255



Tritanopia

75.0285, 79.9050, 103.5642

Trichromacy



Original Color

72.4314, 80.1352, 90.2474

Protanomaly

75.1007, 79.8703, 87.8022

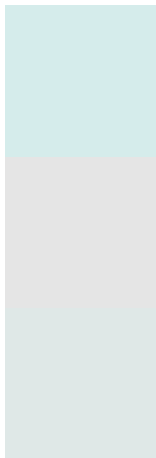
Deuteranomaly

77.8088, 79.5475, 90.6101

Tritanomaly

74.0817, 79.9465, 98.7155

Monochromacy



Original Color

72.4314, 80.1352, 90.2474

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.7118, 79.1707, 86.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4314, 80.1352, 90.2474 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(213, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(213, 236, 235)  
}
```

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(213, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 236, 235) }
```

Border

The CSS property to change the border of an element to XYZ 72.4314, 80.1352, 90.2474 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(213, 236, 235) }
```


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

```
.border{ border-color:rgb(213, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(213, 236,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4314, 80.1352, 90.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 236, 235) }
```

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

```
.background{ background-color: rgb(213,  
236, 235) }
```

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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