

Converting Colors

XYZ(72.2175, 81.3099, 91.6669)

Have a look what the booklet for
XYZ(72.2175, 81.3099, 91.6669)
contains.

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Color

**XYZ(72.1650, 81.2573,
92.0015)**

Conversions

Conversions Part 1

Format	Color
Hex	D0EFED
RGB	208, 239, 237
RGB Percent	82%, 94%, 93%
CMY	0.1843, 0.0627, 0.0706
CMYK	0.13, 0.00, 0.01, 0.06
HSL	176°, 49%, 88%
HSV	176°, 13%, 94%
XYZ	72.1650, 81.2573, 92.0015
YIQ	229.5030, -17.8340, -7.1940

Conversions

Conversions Part 2

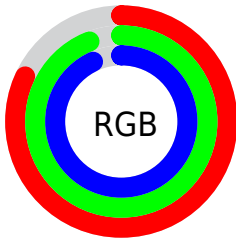
Format	Color
R _Y B	208, 224, 239
Decimal	13692909
CIE Lab	92.25, -10.44, -2.45
CIE LCh	92, 10.720, 193.196
Yxy	81.2573, 0.2940, 0.3311
Android (android.graphics.Color)	4291882989 (0xFFD0EFED)
YUV	229.5030, 3.6960, -18.8581
Hunter-Lab	90.1428, -14.8495, 2.5875

Details

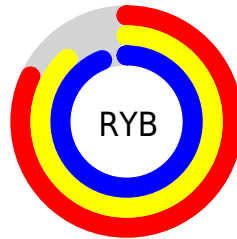
The XYZ color **72.1650, 81.2573, 92.0015** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7883, 68.1179, 70.4462**, and the grayscale version is **74.8316, 78.7287, 85.7355**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4108, 43.9755, 50.1797** is the 20% darker color. If you saturate the color by 10%, you get **65.7211, 77.9635, 90.5287**, and if you desaturate by 10%, it is **79.6281, 85.0807, 93.5356**.

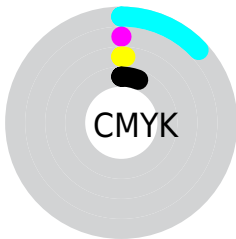
Distribution



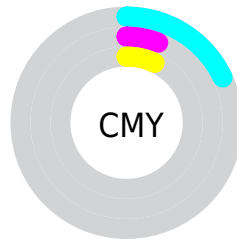
- Red (82%)
- Green (94%)
- Blue (93%)



- Red (82%)
- Yellow (88%)
- Blue (94%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (18%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1650, 81.2573, 92.0015 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 72.1650, 81.2573, 92.0015 by changing the saturation by 10% instead.

72.1650, 81.2573,
92.0015

72.1650, 81.2573,
92.0015

457.2644,
499.1600, 555.2576

53.5794, 60.7535,
69.0588

121.3006,
135.1320, 152.0752

38.4948, 44.0263,
50.2876

152.5814,
169.2717, 190.0433

26.5459, 30.6912,
35.2692

188.8246,
208.7255, 233.8570

17.3673, 20.3638,
23.5851

230.3955,
253.8778, 283.9347

10.5936, 12.6598,
14.8168

277.6596,
305.1130, 340.6951

5.8596, 7.1947,
8.5457

330.9823,

2.7997, 3.5842,

362.8155, 404.5567

4.3533

390.7287,
427.3697, 475.9380

■ 1.0488, 1.4438,
1.8211

■ 0.0000, 0.2487,
0.4418

■ 72.1650, 81.2573,
92.0015

■ 72.1650, 81.2573,
92.0015

■ 65.7211, 77.9635,
90.5287

■ 79.6281, 85.0807,
93.5356

■ 60.2442, 75.1658,
89.1095


■ 87.8496, 89.2926,
95.1136


■ 55.6881, 72.8426,
87.7436


■ 88.0802, 89.3848,
96.3279

■ 52.0001, 70.9666,
86.4283


■ 88.3127, 89.4779,
97.5524


 49.1219, 69.5079,
85.1610


 88.5472, 89.5717,
98.7873


 46.9884, 68.4329,
83.9386


 88.7837, 89.6662,
100.0326

 45.5241, 67.7027,
82.7574

 89.0222, 89.7616,
101.2883

 44.6380, 67.2702,
81.6133

 89.2626, 89.8578,
102.5543

 44.2630, 67.0940,
80.8268

 89.5050, 89.9548,
103.8308

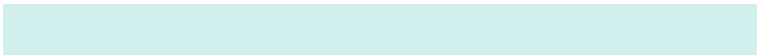
Harmonies

Analogous

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



72.2479, 81.2573, 84.1408



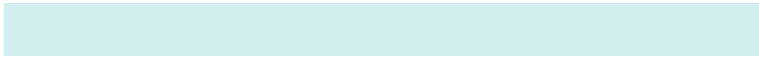
72.1650, 81.2573, 92.0015



73.4165, 81.2573, 99.3265

Triad

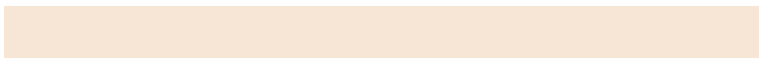
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1650, 81.2573, 92.0015



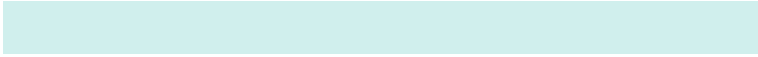
80.9340, 81.2573, 100.0614



78.7818, 81.2573, 74.6687

Complementary

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



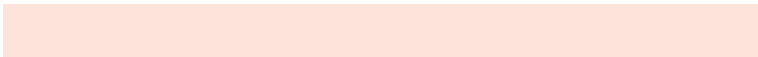
72.1650, 81.2573, 92.0015



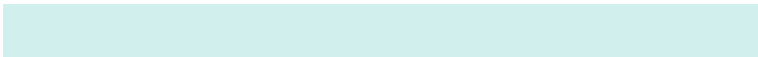
69.7883, 68.1179, 70.4462

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.



81.1787, 81.2573, 78.4449



72.1650, 81.2573, 92.0015



82.4415, 81.2573, 92.9564

Square

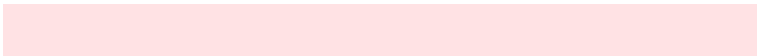
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1650, 81.2573, 92.0015



78.4542, 81.2573, 104.1637



82.5321, 81.2573, 85.0405



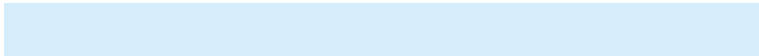
76.0238, 81.2573, 74.4471

Rectangle

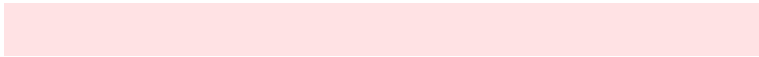
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



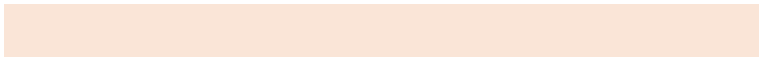
72.1650, 81.2573, 92.0015



74.8569, 81.2573, 102.7923



82.5321, 81.2573, 85.0405



79.6580, 81.2573, 75.5537

Sweetspot

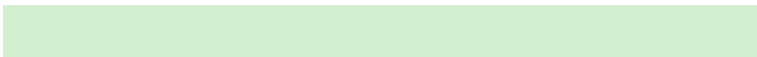
The Sweet Spot groups the original color and five complimentary colors.



72.1673, 81.2607, 92.0033



91.2905, 98.0741, 108.1711



68.8514, 80.0019, 71.4890



19.3933, 20.9168, 23.1240



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.



72.1673, 81.2607, 92.0033



81.1783, 92.8976, 106.0503



68.6735, 73.8019, 92.2910



16.2007, 17.9103, 20.0797



24.4786, 37.0835, 44.7646



2.0496, 3.0903, 3.7936

Inverse Universe

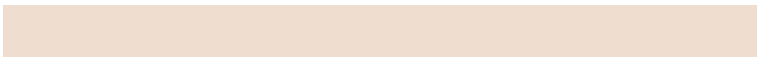
The Inverse Universe completely reimagines the original color for something new.



69.7883, 68.1179, 70.4462



77.8403, 74.4557, 75.8029



72.9557, 74.8496, 70.2782



15.8142, 15.7754, 16.5779



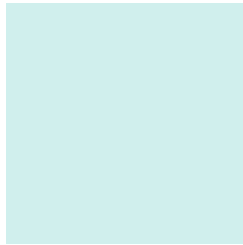
19.7370, 10.1672, 1.2657



1.6563, 0.8516, 0.1812

Previews

White Background



This preview shows how the XYZ color 72.1650, 81.2573, 92.0015 looks on a white background.

Color Contrast Check

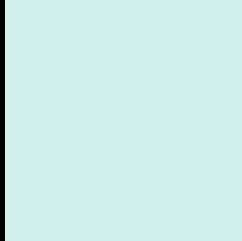
Large Text (above 18pt) WCAG AA × Fail

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 72.1650, 81.2573, 92.0015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

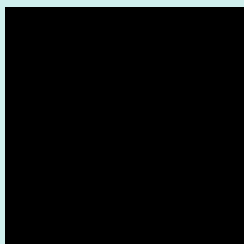
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

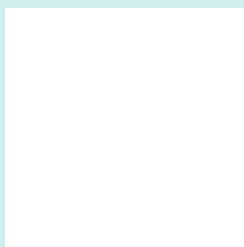
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1650, 81.2573, 92.0015

Background



This preview shows how black text looks on a background with the XYZ color 72.1650, 81.2573, 92.0015.

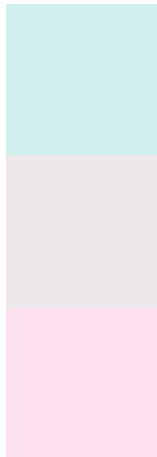


This preview shows how white text looks on a background with the XYZ color 72.1650, 81.2573,

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

72.1650, 81.2573, 92.0015

Protanopia

77.7335, 80.8109, 87.8450

Deuteranopia

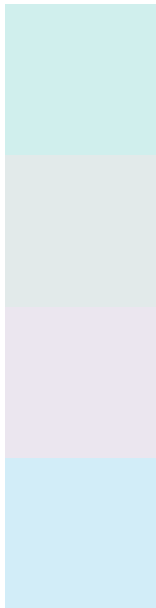
82.4371, 80.6509, 93.6604



Tritanopia

74.9094, 81.0598, 106.3057

Trichromacy



Original Color

72.1650, 81.2573, 92.0015

Protanomaly

75.6381, 80.9549, 89.4812

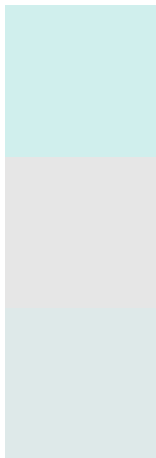
Deuteranomaly

78.1378, 80.4878, 93.0788

Tritanomaly

73.8058, 81.0473, 100.5607

Monochromacy



Original Color

72.1650, 81.2573, 92.0015

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.9711, 79.6906, 88.5739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1650, 81.2573, 92.0015 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(208, 239, 237)` looks like.

```
.text, #text, p{  
    color:rgb(208, 239, 237)  
}
```

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(208, 239, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 239, 237) }
```

Border

The CSS property to change the border of an element to XYZ 72.1650, 81.2573, 92.0015 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(208, 239, 237) }
```


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

```
.border{ border-color:rgb(208, 239, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 239, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 239, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 239, 237);  
box-shadow:4px 4px 4px 4px rgb(208, 239,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1650, 81.2573, 92.0015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 239, 237) }
```

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

```
.background{ background-color: rgb(208,  
239, 237) }
```

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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