

Converting Colors

XYZ(72.2715, 74.5895,
100.9497)

Have a look what the booklet for
XYZ(72.2715, 74.5895, 100.9497)
contains.

XYZ(72.2583, 74.4292, 101.0003)	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(72.2583, 74.4292,
101.0003)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DFFA
RGB	217, 223, 250
RGB Percent	85%, 87%, 98%
CMY	0.1490, 0.1255, 0.0196
CMYK	0.13, 0.11, 0.00, 0.02
HSL	229°, 77%, 92%
HSV	229°, 13%, 98%
XYZ	72.2583, 74.4292, 101.0003
YIQ	224.2840, -12.2430, 7.1250

Conversions

Conversions Part 2

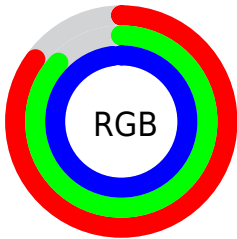
Format	Color
R_{YB}	217, 222, 250
Decimal	14278650
CIE _{Lab}	89.12, 3.21, -13.80
CIE _{LCh}	89, 14.171, 283.105
Yxy	74.4292, 0.2917, 0.3005
Android (android.graphics.Color)	4292468730 (0xFFD9DFFA)
YUV	224.2840, 12.6780, -6.3881
Hunter-Lab	86.2724, -1.4721, -9.0210

Details

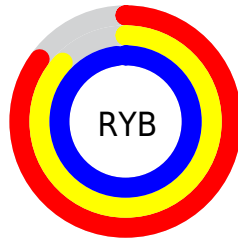
The XYZ color **72.2583, 74.4292, 101.0003** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.2999, 90.0348, 78.5827**, and the grayscale version is **70.9749, 74.6711, 81.3168**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6405, 39.5817, 56.6424** is the 20% darker color. If you saturate the color by 10%, you get **60.2447, 60.6097, 98.9672**, and if you desaturate by 10%, it is **86.0621, 90.1553, 103.3094**.

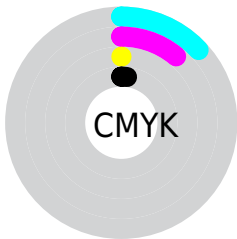
Distribution



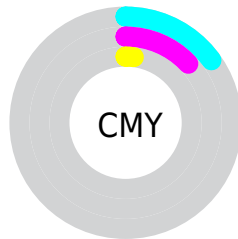
- Red (85%)
- Green (87%)
- Blue (98%)



- Red (85%)
- Yellow (87%)
- Blue (98%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2583, 74.4292, 101.0003 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 72.2583, 74.4292, 101.0003 by changing the saturation by 10% instead.

■ 72.2583, 74.4292,
101.0003

■ 72.2583, 74.4292,
101.0003

457.5838,
475.9534, 584.6690

■ 53.6559, 55.1454,
76.5147

121.4325,
125.5040, 164.5950

■ 38.5562, 39.5181,
56.3454

152.7351,
158.0639, 204.5411

■ 26.5938, 27.1630,
40.0741

189.0017,
195.8178, 250.4778

■ 17.4034, 17.6957,
27.2821

230.5978,
239.1503, 302.8237

■ 10.6196, 10.7317,
17.5509

277.8887,
288.4457, 361.9972

■ 5.8771, 5.8868,
10.4619

331.2398,

■ 2.8104, 2.7763,

344.0884, 428.4169

5.5967

391.0164,
406.4628, 502.5013

■ 1.0543, 1.0161,
2.5367

■ 0.0000, 0.0000,
0.8595

■ 72.2583, 74.4292,
101.0003

■ 72.2583, 74.4292,
101.0003

■ 60.2447, 60.6097,
98.9672

■ 86.0621, 90.1553,
103.3094

■ 49.9407, 48.6147,
97.1950

■ 94.2555, 99.6822,
104.7164

■ 41.2695, 38.3697,
95.6746

■ 34.1455, 29.7914,
94.3943

■ 28.4754, 22.7897,
93.3417

■ 24.1554, 17.2655,
92.5031

■ 21.0672, 13.1079,
91.8633

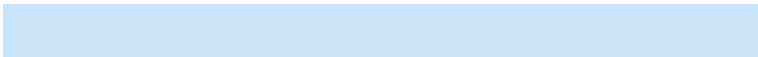
■ 19.0705, 10.1890,
91.4052

■ 18.2122, 8.8155,
91.1853

Harmonies

Analogous

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



68.8312, 74.4292, 100.6239



72.2583, 74.4292, 101.0003



75.3759, 74.4292, 95.7267

Triad

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



72.2583, 74.4292, 101.0003



75.7002, 74.4292, 68.7330



64.5800, 74.4292, 75.6408

Complementary

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



72.2583, 74.4292, 101.0003



84.2999, 90.0348, 78.5827

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.



66.3034, 74.4292, 67.9393



72.2583, 74.4292, 101.0003



72.6893, 74.4292, 64.1791

Square

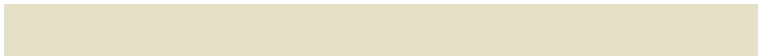
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2583, 74.4292, 101.0003



77.4062, 74.4292, 76.8068



69.2485, 74.4292, 63.9009



64.4731, 74.4292, 85.4275

Rectangle

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



72.2583, 74.4292, 101.0003



76.8288, 74.4292, 89.9474



69.2485, 74.4292, 63.9009



64.9869, 74.4292, 72.7423

Sweetspot

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



72.2605, 74.4323, 101.0020



88.7919, 92.9075, 107.8608



79.1238, 89.6529, 98.6839



18.7607, 19.6084, 23.0460



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.



72.2605, 74.4323, 101.0020



71.8608, 73.5880, 105.0242



73.8904, 72.9337, 100.6268



16.5384, 17.1535, 21.8246



9.7341, 4.8238, 48.3916



0.9689, 0.5815, 4.5043

Inverse Universe

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



77.5583, 75.2792, 80.2581



78.4713, 74.7081, 79.1258



82.4939, 91.8289, 79.0242



17.3735, 17.2768, 18.5567



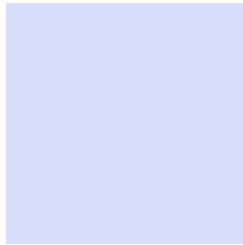
21.2054, 10.8979, 2.5239



1.9980, 1.0229, 0.4128

Previews

White Background



This preview shows how the XYZ color 72.2583, 74.4292, 101.0003 looks on a white background.

Color Contrast Check

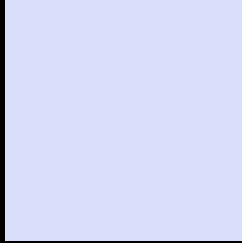
Large Text (above 18pt) WCAG AA × Fail

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 72.2583, 74.4292, 101.0003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

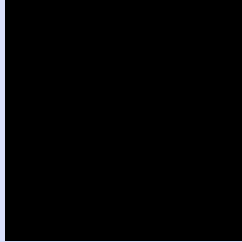
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2583, 74.4292, 101.0003

Background



This preview shows how black text looks on a background with the XYZ color 72.2583, 74.4292, 101.0003.

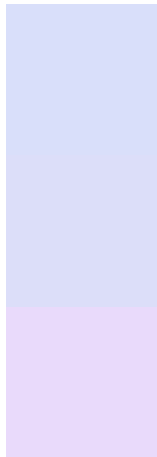


This preview shows how white text looks on a background with the XYZ color 72.2583, 74.4292,

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

72.2583, 74.4292, 101.0003

Protanopia

72.7354, 74.2977, 100.1299

Deuteranopia

76.0883, 74.4315, 101.6232



Tritanopia

71.0016, 74.3210, 94.6076

Trichromacy



Original Color

72.2583, 74.4292, 101.0003

Protanomaly

72.4336, 74.1422, 100.1157

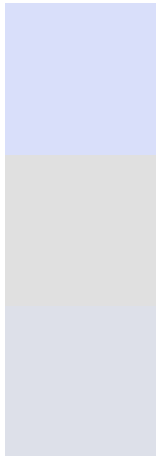
Deuteranomaly

74.6843, 74.4823, 101.7070

Tritanomaly

71.4560, 74.5028, 97.0005

Monochromacy



Original Color

72.2583, 74.4292, 101.0003

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

71.1824, 74.5667, 87.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2583, 74.4292, 101.0003 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(217, 223, 250)` looks like.

```
.text, #text, p{  
    color:rgb(217, 223, 250)  
}
```

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(217, 223, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 223, 250) }
```

Border

The CSS property to change the border of an element to XYZ 72.2583, 74.4292, 101.0003 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(217, 223, 250) }
```


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

```
.border{ border-color:rgb(217, 223, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 223, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 223, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 223, 250);  
box-shadow:4px 4px 4px 4px rgb(217, 223,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2583, 74.4292, 101.0003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 223, 250) }
```

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

```
.background{ background-color: rgb(217,  
223, 250) }
```

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