

Converting Colors

XYZ(72.1910, 78.1341, 89.4978)

Have a look what the booklet for
XYZ(72.1910, 78.1341, 89.4978)
contains.

XYZ(72.4673, 78.4631, 89.9227)	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(72.4673, 78.4631,
89.9227)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E8EB
RGB	217, 232, 235
RGB Percent	85%, 91%, 92%
CMY	0.1490, 0.0902, 0.0784
CMYK	0.08, 0.01, 0.00, 0.08
HSL	190°, 31%, 89%
HSV	190°, 8%, 92%
XYZ	72.4673, 78.4631, 89.9227
YIQ	227.8570, -9.9030, -2.2470

Conversions

Conversions Part 2

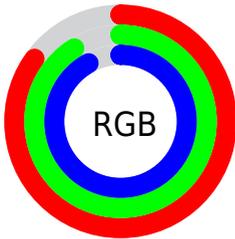
Format	Color
RYB	217, 225, 235
Decimal	14280939
CIELab	90.99, -4.39, -3.18
CIELCh	91, 5.419, 215.888
Yxy	78.4631, 0.3009, 0.3258
Android (android.graphics.Color)	4292471019 (0xFFD9E8EB)
YUV	227.8570, 3.5215, -9.5216
Hunter-Lab	88.5794, -8.9821, 1.8165

Details

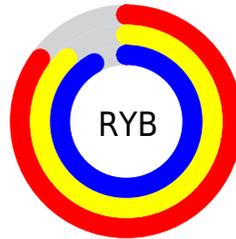
The XYZ color **72.4673, 78.4631, 89.9227** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.3789, 73.8578, 76.0882**, and the grayscale version is **73.6204, 77.4544, 84.3479**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5623, 41.9867, 48.7196** is the 20% darker color. If you saturate the color by 10%, you get **64.8851, 72.9398, 89.2574**, and if you desaturate by 10%, it is **81.0732, 84.5548, 90.6461**.

Distribution



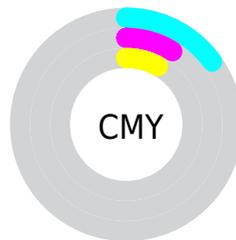
- Red (85%)
- Green (91%)
- Blue (92%)



- Red (85%)
- Yellow (88%)
- Blue (92%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4673, 78.4631, 89.9227 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 72.4673, 78.4631, 89.9227 by changing the saturation by 10% instead.

■ 72.4673, 78.4631,
89.9227

■ 72.4673, 78.4631,
89.9227

458.2989,
489.7381, 548.3430

■ 53.8273, 58.4545,
67.3432

121.7279,
131.2027, 149.1656

■ 38.6937, 42.1741,
48.9002

153.0792,
164.7026, 186.6661

■ 26.7012, 29.2377,
34.1753

189.3984,
203.4682, 229.9772

■ 17.4844, 19.2607,
22.7498

231.0507,
247.8841, 279.5177

■ 10.6779, 11.8588,
14.2053

278.4015,
298.3347, 335.7060

■ 5.9164, 6.6476,
8.1232

331.8163,

■ 2.8345, 3.2427,

355.2043, 398.9606

4.0850

391.6603,
418.8773, 469.7001

■ 1.0668, 1.2597,
1.6721

■ 0.0000, 0.1097,
0.3415

■ 72.4673, 78.4631,
89.9227

■ 72.4673, 78.4631,
89.9227

■ 64.8851, 72.9398,
89.2574

■ 81.0732, 84.5548,
90.6461

■ 58.2779, 67.9532,
88.6432

■ 87.3455, 89.4780,
91.2658

■ 52.6029, 63.4830,
88.0794

■ 88.5085, 91.8041,
91.6535

■ 47.8116, 59.5041,
87.5640

■ 89.6966, 94.1802,
92.0495

■ 43.8510, 55.9889,
87.0942

■ 90.9097, 96.6065,
92.4539

■ 40.6622, 52.9068,
86.6674

■ 91.9956, 98.7782,
92.8159

■ 38.1784, 50.2231,
86.2803

■ 36.3211, 47.8970,
85.9292

■ 34.9846, 45.8739,
85.6091

Harmonies

Analogous

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



71.9924, 78.4631, 86.2076



72.4673, 78.4631, 89.9227



73.5081, 78.4631, 92.4906

Triad

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



72.4673, 78.4631, 89.9227



77.0021, 78.4631, 88.5456



74.3075, 78.4631, 78.1608

Complementary

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



72.4673, 78.4631, 89.9227



72.3789, 73.8578, 76.0882

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.



75.6559, 78.4631, 78.7439



72.4673, 78.4631, 89.9227



77.2224, 78.4631, 84.6630

Square

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



72.4673, 78.4631, 89.9227



76.1285, 78.4631, 91.6787



76.7269, 78.4631, 81.0952



73.0464, 78.4631, 79.4776

Rectangle

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



72.4673, 78.4631, 89.9227



74.3885, 78.4631, 93.1644



76.7269, 78.4631, 81.0952



74.7655, 78.4631, 78.1416

Sweetspot

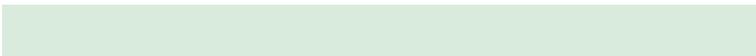
The Sweet Spot groups the original color and five complimentary colors.



72.4696, 78.4664, 89.9244



92.9283, 98.5050, 108.7233



71.2035, 79.3211, 79.0610



19.9127, 21.0998, 23.2731



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.



72.4696, 78.4664, 89.9244



85.8982, 93.4907, 108.1259



70.0799, 73.6871, 89.1279



15.2919, 16.6701, 19.3339



19.3979, 25.4427, 47.6315



1.5799, 2.1112, 3.7591

Inverse Universe

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



73.6411, 73.1157, 86.5792



87.5516, 85.9777, 103.3961



74.7230, 78.5460, 76.8696



15.6009, 15.2682, 18.4494



24.6464, 12.0613, 30.2692



1.9639, 0.9585, 2.5275

Previews

White Background



This preview shows how the XYZ color 72.4673, 78.4631, 89.9227 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 72.4673, 78.4631, 89.9227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

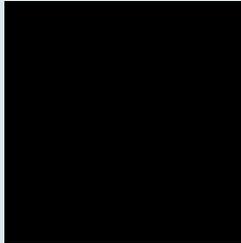
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.4673, 78.4631, 89.9227

Background



This preview shows how black text looks on a background with the XYZ color 72.4673, 78.4631, 89.9227.



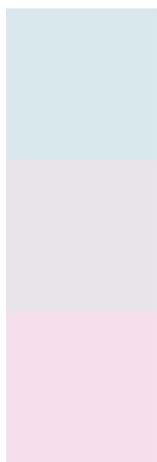
This preview shows how white text looks on a background with the XYZ color 72.4673, 78.4631,

89.9227.

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

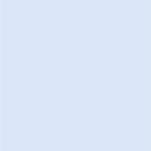
72.4673, 78.4631, 89.9227

Protanopia

75.7301, 78.5258, 88.2564

Deuteranopia

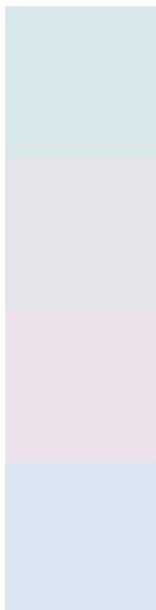
79.7651, 78.1311, 90.9975



Tritanopia

74.4535, 78.4310, 100.0215

Trichromacy



Original Color

72.4673, 78.4631, 89.9227

Protanomaly

74.5491, 78.3100, 89.0281

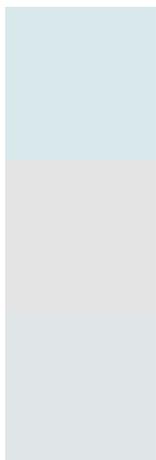
Deuteranomaly

76.9287, 78.2817, 90.4122

Tritanomaly

73.6670, 78.5283, 96.0688

Monochromacy



Original Color

72.4673, 78.4631, 89.9227

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.1836, 77.6554, 86.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4673, 78.4631, 89.9227 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, 232, 235) looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 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(217, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 235) }
```

Border

The CSS property to change the border of an element to XYZ 72.4673, 78.4631, 89.9227 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, 232, 235) }
```


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

```
.border{ border-color:rgb(217, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4673, 78.4631, 89.9227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 232, 235) }
```

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

```
.background{ background-color: rgb(217,  
232, 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](#).

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