

Converting Colors

XYZ(72.1693, 72.7889, 84.3747)

Have a look what the booklet for
XYZ(72.1693, 72.7889, 84.3747)
contains.

XYZ(72.1693, 72.7889, 84.3747)	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(72.1693, 72.7889,
84.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	E7DAE5
RGB	231, 218, 229
RGB Percent	91%, 85%, 90%
CMY	0.0941, 0.1451, 0.1020
CMYK	0.00, 0.06, 0.01, 0.09
HSL	309°, 21%, 88%
HSV	309°, 6%, 91%
XYZ	72.1693, 72.7889, 84.3747
YIQ	223.1410, 4.2170, 6.1770

Conversions

Conversions Part 2

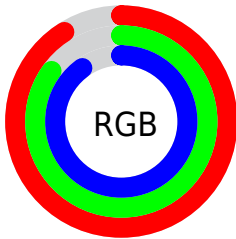
Format	Color
R _Y B	231, 218, 229
Decimal	15194853
CIE Lab	88.35, 6.38, -3.79
CIE LCh	88, 7.422, 329.261
Yxy	72.7889, 0.3147, 0.3174
Android (android.graphics.Color)	4293384933 (0xFFE7DAE5)
YUV	223.1410, 2.8885, 6.8923
Hunter-Lab	85.3164, 1.6897, 1.0859

Details

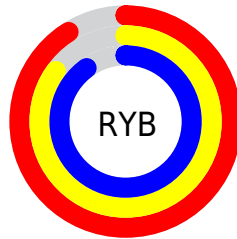
The XYZ color **72.1693, 72.7889, 84.3747** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.4104, 77.2266, 78.9092**, and the grayscale version is **70.2193, 73.8761, 80.4511**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4164, 38.3643, 45.4247** is the 20% darker color. If you saturate the color by 10%, you get **66.1010, 61.4376, 79.9287**, and if you desaturate by 10%, it is **79.0868, 85.8202, 89.1557**.

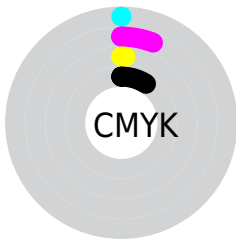
Distribution



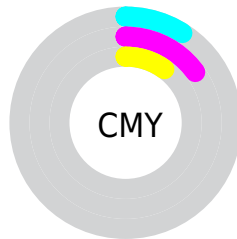
- Red (91%)
- Green (85%)
- Blue (90%)



- Red (91%)
- Yellow (85%)
- Blue (90%)



- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1693, 72.7889, 84.3747 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 72.1693, 72.7889, 84.3747 by changing the saturation by 10% instead.

72.1693, 72.7889,
84.3747

72.1693, 72.7889,
84.3747

457.2791,
470.2828, 529.6472

53.5829, 53.8034,
62.7777

121.3067,
123.1775, 141.3656

38.4977, 38.4445,
45.2215

152.5885,
155.3493, 177.5965

26.5481, 26.3278,
31.2877

188.8327,
192.6854, 219.5425

17.3690, 17.0691,
20.5577

230.4049,
235.5701, 267.6221

10.5948, 10.2837,
12.6130

277.6702,
284.3877, 322.2539

5.8604, 5.5875,
7.0350

330.9941,

2.8002, 2.5959,

339.5228, 383.8563

3.4052

390.7420,
401.3597, 452.8479

■ 1.0490, 0.9246,
1.3051

■ 0.0000, 0.0000,
0.0660

■ 72.1693, 72.7889,
84.3747

■ 72.1693, 72.7889,
84.3747

■ 66.1010, 61.4376,
79.9287

■ 79.0868, 85.8202,
89.1557

■ 60.8412, 51.6882,
75.8011

■ 83.8721, 94.5718,
93.2756

■ 56.3553, 43.4704,
71.9811

■ 84.3942, 94.7807,
96.0251

■ 52.6036, 36.7051,
68.4551

■ 84.9267, 94.9937,
98.8291

■ 49.5429, 31.3059,
65.2083

■ 85.4696, 95.2108,
101.6879

■ 47.1255, 27.1776,
62.2247

■ 86.0229, 95.4321,
104.6018

■ 45.2975, 24.2123,
59.4859

■ 86.5868, 95.6577,
107.5711

■ 43.9961, 22.2847,
56.9706

■ 86.7655, 95.7292,
108.5123

■ 43.1439, 21.2400,
54.6528

Harmonies

Analogous

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



70.8712, 72.7889, 88.1235



72.1693, 72.7889, 84.3747



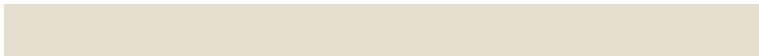
72.6651, 72.7889, 79.3814

Triad

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



72.1693, 72.7889, 84.3747



69.2279, 72.7889, 69.8460



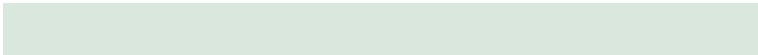
66.2386, 72.7889, 84.1463

Complementary

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



72.1693, 72.7889, 84.3747



70.4104, 77.2266, 78.9092

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.



65.8153, 72.7889, 79.1282



72.1693, 72.7889, 84.3747



67.5231, 72.7889, 71.0019

Square

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



72.1693, 72.7889, 84.3747



70.9490, 72.7889, 71.1196



66.2815, 72.7889, 74.3462



67.4478, 72.7889, 87.9877

Rectangle

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



72.1693, 72.7889, 84.3747



72.4675, 72.7889, 76.0630



66.2815, 72.7889, 74.3462



66.0006, 72.7889, 82.5345

Sweetspot

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



72.1714, 72.7920, 84.3763



93.3184, 96.7386, 107.7007



68.9984, 71.1238, 85.6941



19.9921, 20.7402, 23.0650



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.



72.1714, 72.7920, 84.3763



89.1784, 88.9596, 104.7765



71.2875, 72.4385, 79.7220



15.1469, 15.0474, 17.8286



24.0633, 11.7596, 30.2922



1.8041, 0.8793, 2.3747

Inverse Universe

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



72.1714, 72.7920, 84.3763



89.1784, 88.9596, 104.7765



71.2811, 77.5749, 83.4943



15.1469, 15.0474, 17.8286



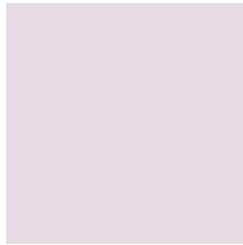
24.0633, 11.7596, 30.2922



1.8041, 0.8793, 2.3747

Previews

White Background



This preview shows how the XYZ color 72.1693, 72.7889, 84.3747 looks on a white background.

Color Contrast Check

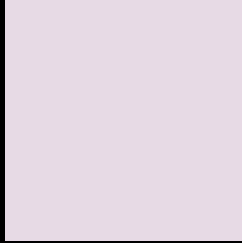
Large Text (above 18pt) WCAG AA × Fail

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 72.1693, 72.7889, 84.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

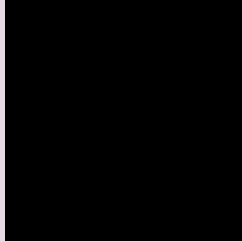
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

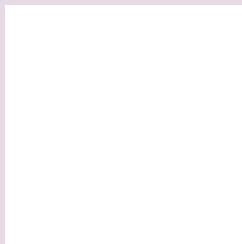
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1693, 72.7889, 84.3747

Background



This preview shows how black text looks on a background with the XYZ color 72.1693, 72.7889, 84.3747.

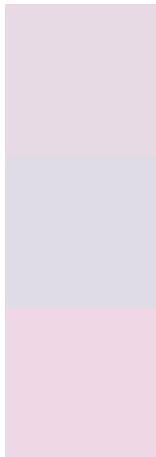


This preview shows how white text looks on a background with the XYZ color 72.1693, 72.7889,

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

72.1693, 72.7889, 84.3747

Protanopia

70.3076, 72.5875, 85.1681

Deuteranopia

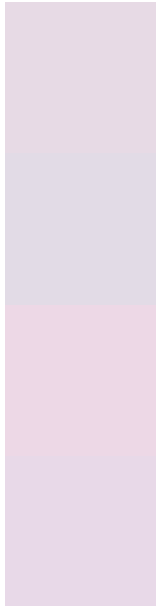
74.5185, 72.8393, 84.9948



Tritanopia

72.9428, 72.7220, 88.0342

Trichromacy



Original Color

72.1693, 72.7889, 84.3747

Protanomaly

70.9785, 72.5450, 85.1245

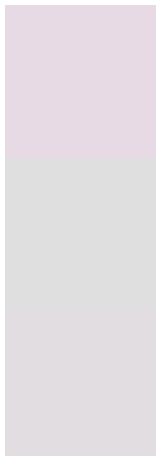
Deuteranomaly

73.7638, 72.8294, 85.0326

Tritanomaly

72.6571, 72.6077, 86.5292

Monochromacy



Original Color

72.1693, 72.7889, 84.3747

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.8111, 73.3179, 81.6538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1693, 72.7889, 84.3747 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(231, 218, 229) looks like.

```
.text, #text, p{  
    color:rgb(231, 218, 229)  
}
```

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(231, 218, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 218, 229) }
```

Border

The CSS property to change the border of an element to XYZ 72.1693, 72.7889, 84.3747 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(231, 218, 229) }
```


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

```
.border{ border-color:rgb(231, 218, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 218, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 218, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 218, 229); box-shadow:4px 4px 4px 4px rgb(231, 218, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1693, 72.7889, 84.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 218, 229) }
```

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

```
.background{ background-color: rgb(231,  
218, 229) }
```

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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