

# Converting Colors

XYZ(72.2135, 73.7113, 86.8028)

Have a look what the booklet for  
XYZ(72.2135, 73.7113, 86.8028)  
contains.

<b>XYZ(72.1536, 73.5066, 86.7292)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(72.1536, 73.5066,  
86.7292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DCE8
RGB	228, 220, 232
RGB Percent	89%, 86%, 91%
CMY	0.1059, 0.1372, 0.0902
CMYK	0.02, 0.05, 0.00, 0.09
HSL	280°, 21%, 89%
HSV	280°, 5%, 91%
XYZ	72.1536, 73.5066, 86.7292
YIQ	223.7600, 0.9160, 5.4280

# Conversions

## Conversions Part 2

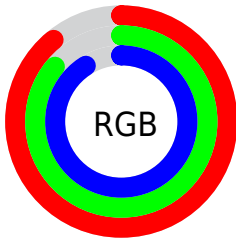
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 220, 232
Decimal	14998760
CIE Lab	88.69, 4.87, -4.90
CIE LCh	89, 6.908, 314.855
Yxy	73.5066, 0.3105, 0.3163
Android (android.graphics.Color)	4293188840 (0xFFE4DCE8)
YUV	223.7600, 4.0623, 3.7185
Hunter-Lab	85.7360, 0.1839, 0.0383

# Details

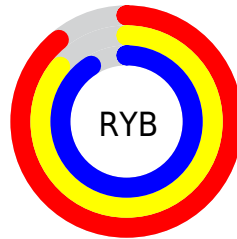
The XYZ color **72.1536, 73.5066, 86.7292** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5181, 78.7298, 79.0882**, and the grayscale version is **70.6535, 74.3330, 80.9487**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5252, 38.9291, 46.5579** is the 20% darker color. If you saturate the color by 10%, you get **64.0835, 60.9276, 84.7276**, and if you desaturate by 10%, it is **81.1827, 87.8385, 89.0208**.

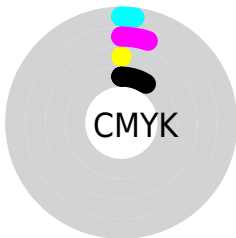
# Distribution



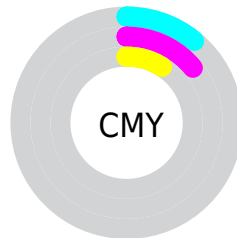
- Red (89%)
- Green (86%)
- Blue (91%)



- Red (89%)
- Yellow (86%)
- Blue (91%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (14%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1536, 73.5066, 86.7292 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 72.1536, 73.5066, 86.7292 by changing the saturation by 10% instead.



72.1536, 73.5066,  
86.7292

72.1536, 73.5066,  
86.7292

457.2254,  
472.7687, 537.6257

53.5701, 54.3903,  
64.7128

121.2845,  
124.1961, 144.6822

38.4873, 38.9138,  
46.7784

152.5626,  
156.5382, 181.4558

26.5401, 26.6927,  
32.5074

188.8029,  
194.0575, 223.9856

17.3629, 17.3425,  
21.4813

230.3708,  
237.1387, 272.6901

10.5905, 10.4790,  
13.2816

277.6317,  
286.1660, 327.9878

5.8574, 5.7177,  
7.4898

330.9508,

2.7984, 2.6742,

341.5238, 390.2972

3.6872

390.6936,  
403.5966, 460.0370

■ 1.0481, 0.9641,  
1.4553

■ 0.0000, 0.0000,  
0.1843

■ 72.1536, 73.5066,  
86.7292

■ 72.1536, 73.5066,  
86.7292

■ 64.0835, 60.9276,  
84.7276

■ 81.1827, 87.8385,  
89.0208

■ 56.9300, 50.0220,  
82.9997

■ 87.4513, 96.4852,  
90.3594

■ 50.6569, 40.7184,  
81.5345

■ 90.1846, 97.8943,  
90.4873

■ 45.2229, 32.9362,  
80.3188

■ 91.5657, 98.6063,  
90.5519

■ 40.5830, 26.5880,  
79.3381

■ 36.6877, 21.5770,  
78.5761

■ 33.4814, 17.7943,  
78.0150

■ 30.8995, 15.1131,  
77.6336

■ 28.8632, 13.3781,  
77.4060

# Harmonies

## Analogous

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



70.6917, 73.5066, 89.2516



72.1536, 73.5066, 86.7292



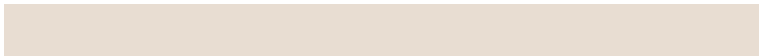
73.0092, 73.5066, 82.4612

# Triad

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



72.1536, 73.5066, 86.7292



70.7075, 73.5066, 71.4892



66.8099, 73.5066, 82.4155

# Complementary

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



72.1536, 73.5066, 86.7292



72.5181, 78.7298, 79.0882

# Split Complementary

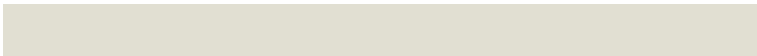
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8140, 73.5066, 77.6592



72.1536, 73.5066, 86.7292



69.0464, 73.5066, 71.4780

# Square

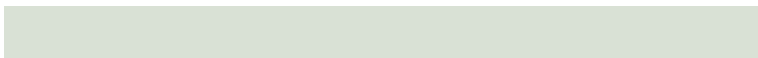
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1536, 73.5066, 86.7292



72.1653, 73.5066, 73.7278



67.6269, 73.5066, 73.6967



67.6157, 73.5066, 86.6945



# Rectangle

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



72.1536, 73.5066, 86.7292



73.1122, 73.5066, 79.2609



67.6269, 73.5066, 73.6967



66.7170, 73.5066, 80.8165

# Sweetspot

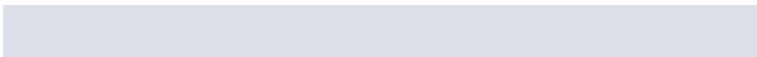
The Sweet Spot groups the original color and five complimentary colors.



72.1557, 73.5098, 86.7308



92.8217, 96.4680, 108.3357



70.7931, 74.4638, 86.9868



19.8910, 20.6851, 23.1942



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.



72.1557, 73.5098, 86.7308



88.5098, 89.6689, 107.2506



73.1851, 74.0698, 85.4514



14.9996, 15.1381, 18.2757



15.6915, 7.1551, 42.9372



1.2571, 0.5790, 3.1775



# Inverse Universe

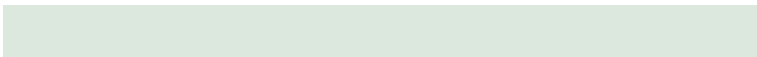
The Inverse Universe completely reimagines the original color for something new.



72.3291, 73.7274, 80.9434



88.7630, 89.9841, 98.9178



71.5325, 78.1940, 80.2929



15.0474, 15.1972, 16.7202



19.2780, 9.8454, 5.0927

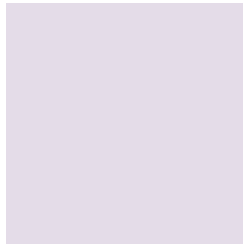


1.4665, 0.7443, 0.5969



# Previews

## White Background



This preview shows how the XYZ color 72.1536, 73.5066, 86.7292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

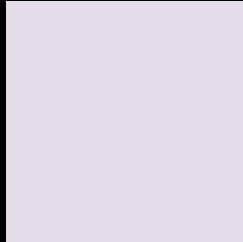
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1536, 73.5066, 86.7292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

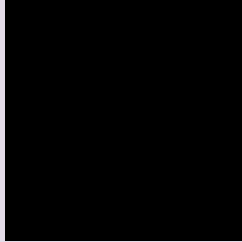
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

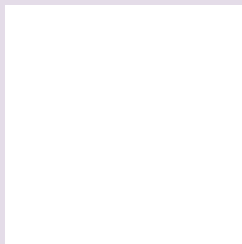
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.1536, 73.5066, 86.7292

## Background



This preview shows how black text looks on a background with the XYZ color 72.1536, 73.5066, 86.7292.



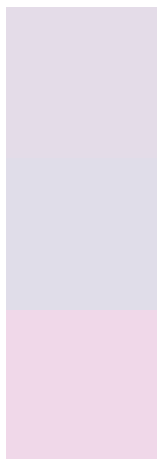
This preview shows how white text looks on a background with the XYZ color 72.1536, 73.5066,



# 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

72.1536, 73.5066, 86.7292

### Protanopia

71.3049, 73.4434, 87.5086

### Deuteranopia

75.1990, 73.5202, 87.3182



## Tritanopia

72.9307, 73.4355, 90.4514

# Trichromacy



## Original Color

72.1536, 73.5066, 86.7292

## Protanomaly

71.6158, 73.6036, 87.5232

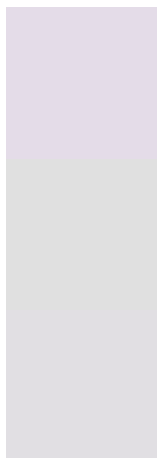
## Deuteranomaly

74.1129, 73.3418, 87.3410

## Tritanomaly

72.6400, 73.3192, 88.9207

# Monochromacy



## Original Color

72.1536, 73.5066, 86.7292

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.3041, 74.3290, 83.2618

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1536, 73.5066, 86.7292 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(228, 220, 232) looks like.

```
.text, #text, p{  
    color:rgb(228, 220, 232)  
}
```

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(228, 220, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 220, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1536, 73.5066, 86.7292 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(228, 220, 232) }
```



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

```
.border{ border-color:rgb(228, 220, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 220, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 220, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 220, 232);  
box-shadow:4px 4px 4px 4px rgb(228, 220,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1536, 73.5066, 86.7292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 220, 232) }
```

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

```
.background{ background-color: rgb(228,  
220, 232) }
```

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