

# Converting Colors

XYZ(72.4502, 75.4520, 89.9365)

Have a look what the booklet for  
XYZ(72.4502, 75.4520, 89.9365)  
contains.

<b>XYZ(72.4970, 75.5945, 90.1271)</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(72.4970, 75.5945,  
90.1271)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFE1EC
RGB	223, 225, 236
RGB Percent	87%, 88%, 93%
CMY	0.1255, 0.1176, 0.0745
CMYK	0.06, 0.05, 0.00, 0.07
HSL	231°, 25%, 90%
HSV	231°, 6%, 93%
XYZ	72.4970, 75.5945, 90.1271
YIQ	225.6560, -4.7230, 2.9970

# Conversions

## Conversions Part 2

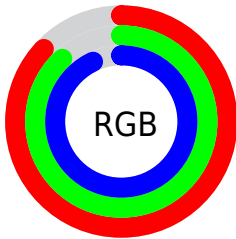
Format	Color
R <sub>YB</sub>	223, 225, 236
Decimal	14672364
CIE Lab	89.67, 1.36, -5.59
CIE LCh	90, 5.758, 283.687
Yxy	75.5945, 0.3043, 0.3173
Android (android.graphics.Color)	4292862444 (0xFFDFE1EC)
YUV	225.6560, 5.0996, -2.3293
Hunter-Lab	86.9451, -3.3162, -0.5983

# Details

The XYZ color **72.4970, 75.5945, 90.1271** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.3345, 82.0057, 81.5662**, and the grayscale version is **72.0090, 75.7591, 82.5017**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7614, 40.3696, 48.9292** is the 20% darker color. If you saturate the color by 10%, you get **60.6418, 61.9359, 88.1167**, and if you desaturate by 10%, it is **86.0011, 91.0440, 92.3986**.

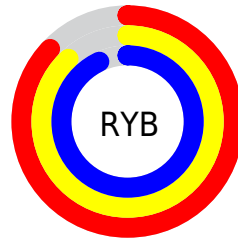
# Distribution



Red (87%)

Green (88%)

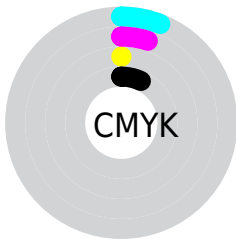
Blue (93%)



Red (87%)

Yellow (88%)

Blue (93%)

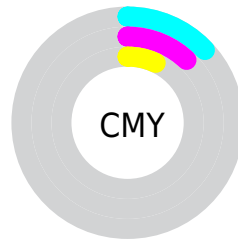


Cyan (6%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (12%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4970, 75.5945, 90.1271 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 72.4970, 75.5945, 90.1271 by changing the saturation by 10% instead.



■ 72.4970, 75.5945,  
90.1271

■ 72.4970, 75.5945,  
90.1271

458.4005,  
479.9585, 549.0250

■ 53.8517, 56.1001,  
67.5118

121.7699,  
127.1535, 149.4520

■ 38.7133, 40.2832,  
49.0364

153.1281,  
159.9869, 186.9986

■ 26.7165, 27.7594,  
34.2826

189.4547,  
198.0355, 230.3594

■ 17.4959, 18.1444,  
22.8316

231.1150,  
241.6835, 279.9529

■ 10.6862, 11.0537,  
14.2651

278.4744,  
291.3154, 336.1977

■ 5.9219, 6.1030,  
8.1644

331.8982,

■ 2.8379, 2.9078,

347.3156, 399.5123

4.1111

391.7518,  
410.0685, 470.3152

■ 1.0686, 1.0838,  
1.6865

■ 0.0000, 0.0000,  
0.3514

■ 72.4970, 75.5945,  
90.1271

■ 72.4970, 75.5945,  
90.1271

■ 60.6418, 61.9359,  
88.1167

■ 86.0011, 91.0440,  
92.3986

■ 50.3655, 49.9938,  
86.3533

■ 92.1405, 98.8362,  
93.5790

■ 41.6030, 39.7026,  
84.8287

■ 34.2818, 30.9891,  
83.5327

■ 28.3237, 23.7742,  
82.4541

■ 23.6427, 17.9721,  
81.5809

■ 20.1429, 13.4878,  
80.8998

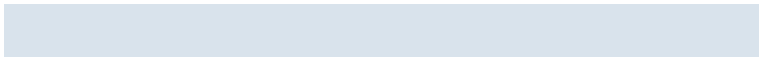
■ 17.7142, 10.2144,  
80.3960

■ 16.2245, 8.0269,  
80.0523

# Harmonies

## Analogous

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



71.0876, 75.5945, 90.0288



72.4970, 75.5945, 90.1271



73.7489, 75.5945, 88.0827

# Triad

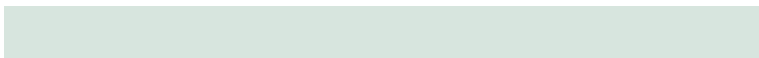
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.4970, 75.5945, 90.1271



73.8388, 75.5945, 77.0360



69.2667, 75.5945, 80.1370

# Complementary

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



72.4970, 75.5945, 90.1271



77.3345, 82.0057, 81.5662

# 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.



69.9845, 75.5945, 76.7943



72.4970, 75.5945, 90.1271



72.6184, 75.5945, 75.0447

# Square

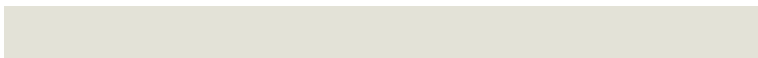
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4970, 75.5945, 90.1271



74.5305, 75.5945, 80.4768



71.2075, 75.5945, 74.9577



69.2352, 75.5945, 84.1700



# Rectangle

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



72.4970, 75.5945, 90.1271



74.3207, 75.5945, 85.8175



71.2075, 75.5945, 74.9577



69.4353, 75.5945, 78.8985

# Sweetspot

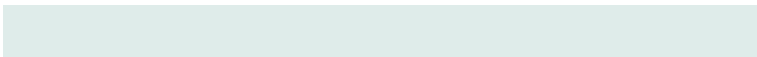
The Sweet Spot groups the original color and five complimentary colors.



72.4992, 75.5977, 90.1288



91.8376, 96.3238, 108.3597



75.2555, 81.6111, 89.5038



19.6907, 20.6558, 23.1991



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.



72.4992, 75.5977, 90.1288



84.1560, 87.5120, 107.0637



73.3131, 75.2181, 90.0126



14.9100, 15.4890, 19.1261



8.7585, 4.1639, 44.0851



0.7449, 0.4413, 3.4808



# Inverse Universe

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



74.5721, 76.0461, 81.9858



87.2810, 88.2006, 94.7848



76.4866, 82.4200, 81.6908



15.5101, 15.6221, 16.7683



19.2762, 9.9132, 1.9897

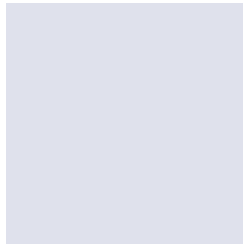


1.5425, 0.7900, 0.3081



# Previews

## White Background



This preview shows how the XYZ color 72.4970, 75.5945, 90.1271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

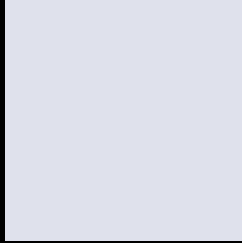
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4970, 75.5945, 90.1271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

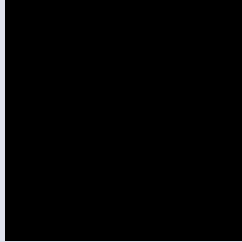
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

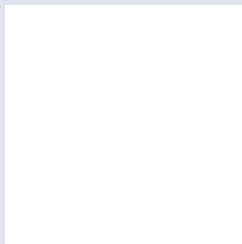
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.4970, 75.5945, 90.1271**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4970, 75.5945, 90.1271.



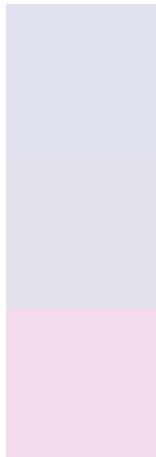
This preview shows how white text looks on a background with the XYZ color 72.4970, 75.5945,

90.1271.

# 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

72.4970, 75.5945, 90.1271

### Protanopia

73.0151, 75.4782, 89.3177

### Deuteranopia

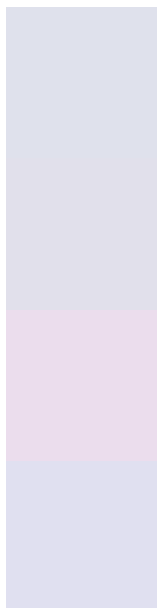
77.2355, 75.6547, 90.6528



## Tritanopia

73.4231, 75.5694, 94.7209

# Trichromacy



## Original Color

72.4970, 75.5945, 90.1271

## Protanomaly

72.7024, 75.3170, 89.3031

## Deuteranomaly

75.4035, 75.4895, 90.7175

## Tritanomaly

73.1243, 75.4499, 93.1473

# Monochromacy



## Original Color

72.4970, 75.5945, 90.1271

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.5306, 76.1134, 85.7315

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4970, 75.5945, 90.1271 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(223, 225, 236) looks like.

```
.text, #text, p{  
    color:rgb(223, 225, 236)  
}
```

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(223, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 225, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4970, 75.5945, 90.1271 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(223, 225, 236) }
```



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

```
.border{ border-color:rgb(223, 225, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 225,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4970, 75.5945, 90.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 225, 236) }
```

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

```
.background{ background-color: rgb(223,  
225, 236) }
```

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