

# Converting Colors

XYZ(72.2389, 75.7125, 84.6669)

Have a look what the booklet for  
XYZ(72.2389, 75.7125, 84.6669)  
contains.

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# **Color**

**XYZ(72.1194, 75.5151,  
84.9035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E1E5
RGB	225, 225, 229
RGB Percent	88%, 88%, 90%
CMY	0.1176, 0.1176, 0.1020
CMYK	0.02, 0.02, 0.00, 0.10
HSL	240°, 7%, 89%
HSV	240°, 2%, 90%
XYZ	72.1194, 75.5151, 84.9035
YIQ	225.4560, -1.2840, 1.2440

# Conversions

## Conversions Part 2

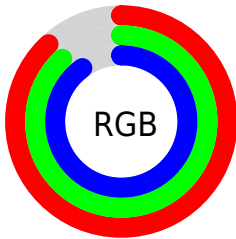
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 225, 229
Decimal	14803429
CIE Lab	89.63, 0.73, -1.96
CIE LCh	90, 2.089, 290.382
Yxy	75.5151, 0.3101, 0.3247
Android (android.graphics.Color)	4292993509 (0xFFE1E1E5)
YUV	225.4560, 1.7472, -0.3999
Hunter-Lab	86.8994, -3.9336, 2.9014

# Details

The XYZ color **72.1194, 75.5151, 84.9035** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.9231, 78.1320, 82.4201**, and the grayscale version is **71.8865, 75.6302, 82.3612**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5923, 40.3515, 45.7990** is the 20% darker color. If you saturate the color by 10%, you get **59.6778, 60.5283, 82.6676**, and if you desaturate by 10%, it is **86.3515, 92.6594, 87.4637**.

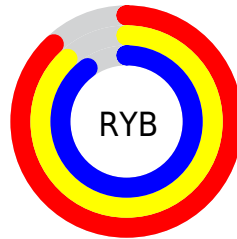
# Distribution



Red (88%)

Green (88%)

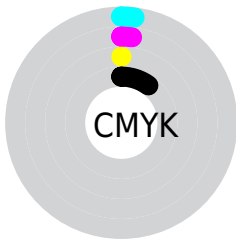
Blue (90%)



Red (88%)

Yellow (88%)

Blue (90%)

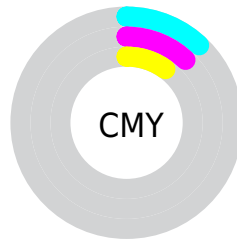


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (10%)



Cyan (12%)

Magenta (12%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1194, 75.5151, 84.9035 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 72.1194, 75.5151, 84.9035 by changing the saturation by 10% instead.



■ 72.1194, 75.5151,  
84.9035

■ 72.1194, 75.5151,  
84.9035

457.1083,  
479.6862, 531.4450

■ 53.5420, 56.0350,  
63.2120

121.2362,  
127.0412, 142.1113

■ 38.4649, 40.2310,  
45.5706

152.5062,  
159.8561, 178.4647

■ 26.5225, 27.7187,  
31.5609

188.7380,  
197.8846, 220.5423

■ 17.3497, 18.1137,  
20.7643

230.2967,  
241.5111, 268.7629

■ 10.5810, 11.0316,  
12.7623

277.5477,  
291.1202, 323.5449

■ 5.8510, 6.0881,  
7.1362

330.8564,

■ 2.7945, 2.8987,

347.0961, 385.3069

3.4677

390.5881,  
409.8233, 454.4674

■ 1.0460, 1.0791,  
1.3381

■ 0.0000, 0.0000,  
0.0927

■ 72.1194, 75.5151,  
84.9035

■ 72.1194, 75.5151,  
84.9035

■ 59.6778, 60.5283,  
82.6676

■ 86.3515, 92.6594,  
87.4637

■ 48.9498, 47.6044,  
80.7385

■ 91.1431, 98.4372,  
88.3264

■ 39.8621, 36.6560,  
79.1042

■ 32.3341, 27.5859,  
77.7503

■ 26.2780, 20.2885,  
76.6609

■ 21.5976, 14.6480,  
75.8189

■ 18.1851, 10.5346,  
75.2048

■ 15.9168, 7.7993,  
74.7964

■ 14.6442, 6.2636,  
74.5670

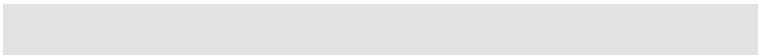
# Harmonies

## Analogous

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



71.6099, 75.5151, 85.0439



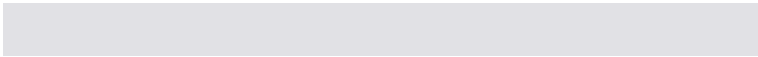
72.1194, 75.5151, 84.9035



72.5384, 75.5151, 84.0402

# Triad

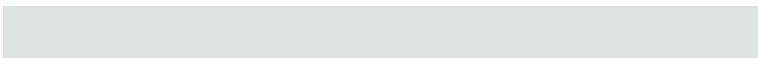
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1194, 75.5151, 84.9035



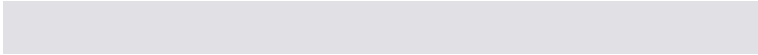
72.4066, 75.5151, 80.0632



70.8054, 75.5151, 81.7514

# Complementary

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



72.1194, 75.5151, 84.9035



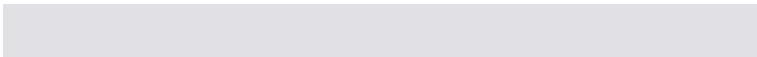
73.9231, 78.1320, 82.4201

# 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.



71.0166, 75.5151, 80.4324



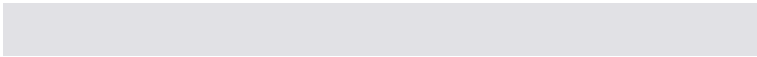
72.1194, 75.5151, 84.9035



71.9400, 75.5151, 79.4654

# Square

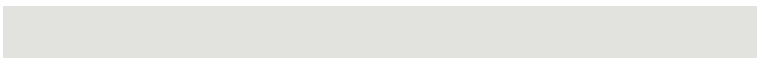
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



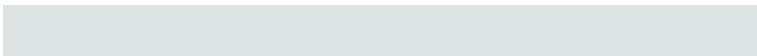
72.1194, 75.5151, 84.9035



72.7048, 75.5151, 81.2418



71.4314, 75.5151, 79.5997

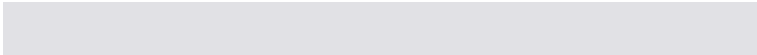


70.8529, 75.5151, 83.2123



# Rectangle

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



72.1194, 75.5151, 84.9035



72.7093, 75.5151, 83.1766



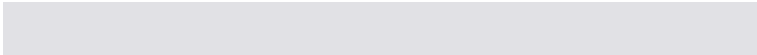
71.4314, 75.5151, 79.5997



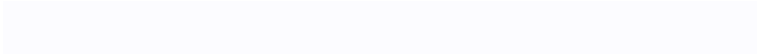
70.8484, 75.5151, 81.2770

# Sweetspot

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



72.1216, 75.5183, 84.9051



93.3107, 97.9048, 108.5873



73.2053, 77.7008, 85.2205



19.9907, 20.9777, 23.2454



0.0000, 0.0000, 0.0000

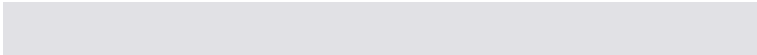


20.3446, 21.4041, 23.3091

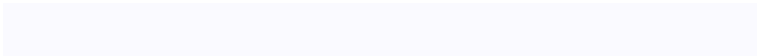


# Same Dimension

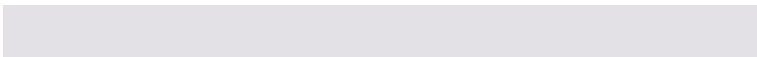
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1216, 75.5183, 84.9051



91.5945, 95.8375, 108.2787



72.7267, 75.8288, 84.9332



15.6650, 16.3962, 18.4835



8.0880, 3.2381, 42.5819

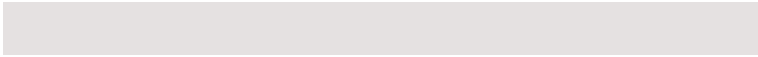


0.5981, 0.2400, 3.1468

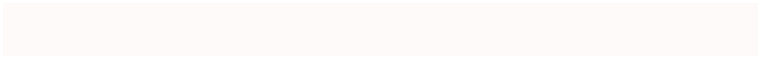


# Inverse Universe

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



72.8306, 75.9461, 82.0584



92.6349, 96.4652, 104.1014



73.3106, 77.8178, 82.3918



15.8321, 16.4970, 17.8128



18.4759, 9.5246, 0.8694

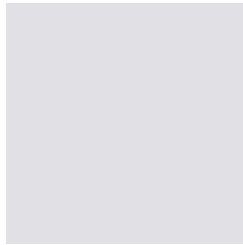


1.3655, 0.7039, 0.0653



# Previews

## White Background



This preview shows how the XYZ color 72.1194, 75.5151, 84.9035 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

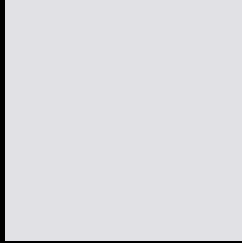
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1194, 75.5151, 84.9035 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

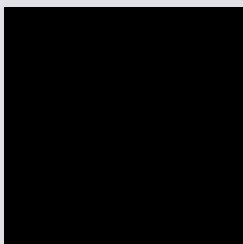
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

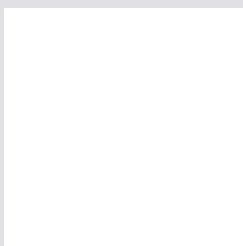
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1194, 75.5151, 84.9035**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1194, 75.5151, 84.9035.



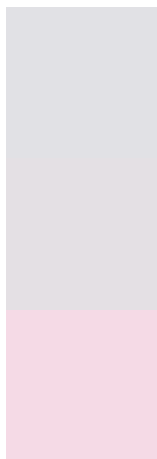
This preview shows how white text looks on a background with the XYZ color 72.1194, 75.5151,



# 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

72.1194, 75.5151, 84.9035

### Protanopia

72.6542, 75.4067, 84.1245

### Deuteranopia

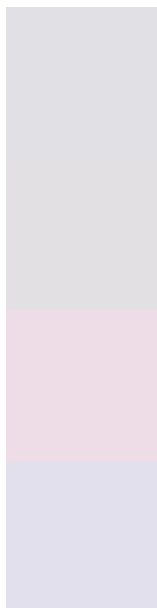
77.0105, 75.2685, 85.3323



## Tritanopia

73.9434, 75.4571, 93.8865

# Trichromacy



## Original Color

72.1194, 75.5151, 84.9035

## Protanomaly

72.3378, 75.2436, 84.1097

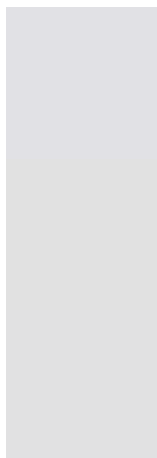
## Deuteranomaly

75.3993, 75.6032, 85.4818

## Tritanomaly

73.3057, 75.5945, 90.8483

# Monochromacy



## Original Color

72.1194, 75.5151, 84.9035

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.7040, 75.3490, 82.7161

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1194, 75.5151, 84.9035 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(225, 225, 229) looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 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(225, 225, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1194, 75.5151, 84.9035 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(225, 225, 229) }
```



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

```
.border{ border-color:rgb(225, 225, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 229);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1194, 75.5151, 84.9035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 229) }
```

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

```
.background{ background-color: rgb(225,  
225, 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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