

# Converting Colors

XYZ(69.9818, 71.6887, 93.5598)

Have a look what the booklet for  
XYZ(69.9818, 71.6887, 93.5598)  
contains.

<b>XYZ(70.1221, 71.9193, 93.4051)</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(70.1221, 71.9193,  
93.4051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADBF1
RGB	218, 219, 241
RGB Percent	85%, 86%, 95%
CMY	0.1451, 0.1412, 0.0549
CMYK	0.10, 0.09, 0.00, 0.05
HSL	237°, 45%, 90%
HSV	237°, 10%, 95%
XYZ	70.1221, 71.9193, 93.4051
YIQ	221.2090, -7.6580, 6.6300

# Conversions

## Conversions Part 2

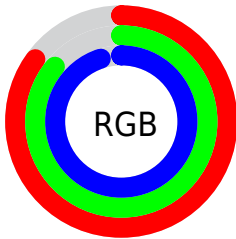
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 219, 241
Decimal	14343153
CIE Lab	87.93, 3.82, -10.85
CIE LCh	88, 11.500, 289.416
Yxy	71.9193, 0.2978, 0.3055
Android (android.graphics.Color)	4292533233 (0xFFDADB F1)
YUV	221.2090, 9.7570, -2.8143
Hunter-Lab	84.8052, -0.8146, -5.9388

# Details

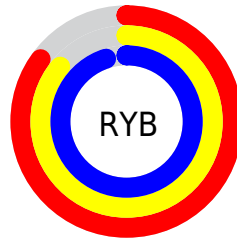
The XYZ color **70.1221, 71.9193, 93.4051** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.0909, 86.0823, 78.7253**, and the grayscale version is **68.8132, 72.3969, 78.8402**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1367, 37.8402, 51.2455** is the 20% darker color. If you saturate the color by 10%, you get **57.8303, 57.2673, 91.2259**, and if you desaturate by 10%, it is **84.2986, 88.7827, 95.9140**.

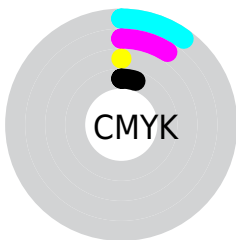
# Distribution



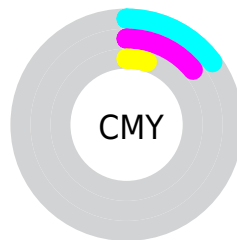
- Red (85%)
- Green (86%)
- Blue (95%)



- Red (85%)
- Yellow (86%)
- Blue (95%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (14%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1221, 71.9193, 93.4051 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 70.1221, 71.9193, 93.4051 by changing the saturation by 10% instead.



■ 70.1221, 71.9193,  
93.4051

■ 70.1221, 71.9193,  
93.4051

450.2383,  
467.2607, 559.8998

■ 51.9060, 53.0928,  
70.2187

118.4082,  
121.9418, 154.0359

■ 37.1542, 37.8768,  
51.2270

149.2089,  
153.9065, 192.3174

■ 25.5011, 25.8871,  
36.0113

184.9352,  
191.0194, 236.4677

■ 16.5815, 16.7392,  
24.1531

225.9525,  
233.6649, 286.9053

■ 10.0300, 10.0487,  
15.2340

272.6261,  
282.2274, 344.0487

■ 5.4813, 5.4313,  
8.8353

325.3214,

■ 2.5699, 2.5025,

337.0913, 408.3166

4.5386

384.4037,  
398.6409, 480.1274

■ 0.9307, 0.8779,  
1.9252

■ 0.0000, 0.0000,  
0.5087

■ 70.1221, 71.9193,  
93.4051

■ 70.1221, 71.9193,  
93.4051

■ 57.8303, 57.2673,  
91.2259

■ 84.2986, 88.7827,  
95.9140

■ 47.3378, 44.7264,  
89.3583

■ 92.8774, 99.1310,  
97.4593

■ 38.5621, 34.2020,  
87.7894

■ 31.4118, 25.5889,  
86.5038

■ 25.7869, 18.7723,  
85.4845

■ 21.5765, 13.6251,  
84.7129

■ 18.6547, 10.0036,  
84.1679

■ 16.8730, 7.7396,  
83.8248

■ 16.0174, 6.6106,  
83.6520

# Harmonies

## Analogous

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



67.3948, 71.9193, 94.0826



70.1221, 71.9193, 93.4051



72.4336, 71.9193, 88.5314

# Triad

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



70.1221, 71.9193, 93.4051



71.8394, 71.9193, 67.4069



63.3119, 71.9193, 75.5712

# Complementary

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



70.1221, 71.9193, 93.4051



80.0909, 86.0823, 78.7253

# 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.



64.4366, 71.9193, 68.9034



70.1221, 71.9193, 93.4051



69.3286, 71.9193, 64.4030

# Square

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



70.1221, 71.9193, 93.4051



73.4432, 71.9193, 73.4022



66.6220, 71.9193, 64.9320



63.5114, 71.9193, 83.4274



# Rectangle

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



70.1221, 71.9193, 93.4051



73.4048, 71.9193, 83.7290



66.6220, 71.9193, 64.9320



63.5464, 71.9193, 73.1260

# Sweetspot

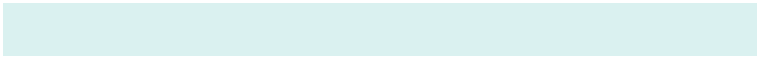
The Sweet Spot groups the original color and five complimentary colors.



70.1242, 71.9223, 93.4067



90.0015, 93.9983, 108.0076



76.0758, 84.0996, 94.5457



18.9825, 19.7846, 23.0683



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.



70.1242, 71.9223, 93.4067



77.5039, 79.1250, 105.7955



73.0559, 73.0463, 93.4691



14.9525, 15.3392, 19.8943



8.6968, 3.6178, 45.3678



0.7428, 0.3396, 3.7806

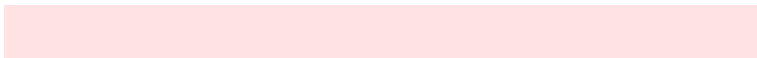


# Inverse Universe

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



74.1349, 73.9595, 77.3896



82.7231, 81.7819, 84.9506



76.9535, 84.9045, 78.6633



15.8007, 15.7700, 16.5069



19.7153, 10.1586, 1.1516

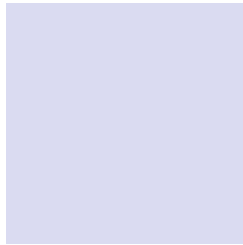


1.6499, 0.8490, 0.1472



# Previews

## White Background



This preview shows how the XYZ color 70.1221, 71.9193, 93.4051 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

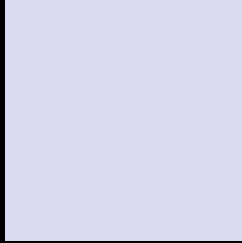
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1221, 71.9193, 93.4051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

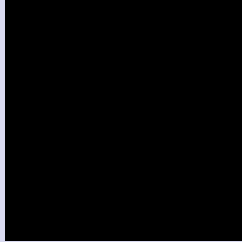
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.1221, 71.9193, 93.4051

## Background



This preview shows how black text looks on a background with the XYZ color 70.1221, 71.9193, 93.4051.



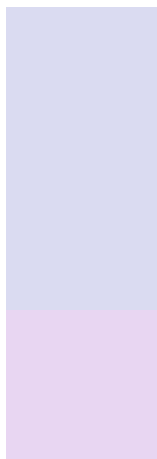
This preview shows how white text looks on a background with the XYZ color 70.1221, 71.9193,



# 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

70.1221, 71.9193, 93.4051

### Protanopia

70.1221, 71.9193, 93.4051

### Deuteranopia

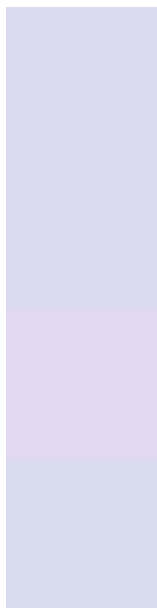
73.3523, 71.6597, 93.9700



## Tritanopia

69.4945, 72.0525, 90.3655

# Trichromacy



## Original Color

70.1221, 71.9193, 93.4051

## Protanomaly

70.1221, 71.9193, 93.4051

## Deuteranomaly

72.2614, 71.8534, 94.0649

## Tritanomaly

69.6411, 72.1112, 91.1373

# Monochromacy



## Original Color

70.1221, 71.9193, 93.4051

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.1120, 72.0035, 83.6543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1221, 71.9193, 93.4051 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(218, 219, 241)` looks like.

```
.text, #text, p{  
    color:rgb(218, 219, 241)  
}
```

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(218, 219, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 219, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1221, 71.9193, 93.4051 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(218, 219, 241) }
```



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

```
.border{ border-color:rgb(218, 219, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 219, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 219, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 219, 241);  
box-shadow:4px 4px 4px 4px rgb(218, 219,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1221, 71.9193, 93.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 219, 241) }
```

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

```
.background{ background-color: rgb(218,  
219, 241) }
```

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