

Converting Colors

XYZ(70.7933, 71.8672, 94.3419)

Have a look what the booklet for
XYZ(70.7933, 71.8672, 94.3419)
contains.

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Color

**XYZ(70.6136, 71.7693,
94.1355)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDAF2
RGB	220, 218, 242
RGB Percent	86%, 85%, 95%
CMY	0.1372, 0.1451, 0.0510
CMYK	0.09, 0.10, 0.00, 0.05
HSL	245°, 48%, 90%
HSV	245°, 10%, 95%
XYZ	70.6136, 71.7693, 94.1355
YIQ	221.3340, -6.5120, 7.8880

Conversions

Conversions Part 2

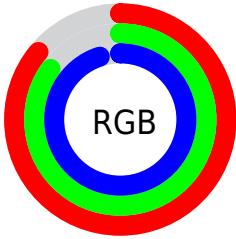
Format	Color
R _Y B	220, 218, 242
Decimal	14473970
CIE Lab	87.86, 5.19, -11.46
CIE LCh	88, 12.584, 294.346
Yxy	71.7693, 0.2986, 0.3034
Android (android.graphics.Color)	4292664050 (0xFFDCDAF2)
YUV	221.3340, 10.1883, -1.1699
Hunter-Lab	84.7168, 0.5300, -6.5801

Details

The XYZ color **70.6136, 71.7693, 94.1355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.3449, 87.0934, 78.9093**, and the grayscale version is **68.8976, 72.4856, 78.9369**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4772, 37.7389, 51.7634** is the 20% darker color. If you saturate the color by 10%, you get **58.5157, 56.8884, 91.9019**, and if you desaturate by 10%, it is **84.5231, 88.9480, 96.7193**.

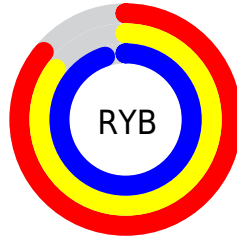
Distribution



Red (86%)

Green (85%)

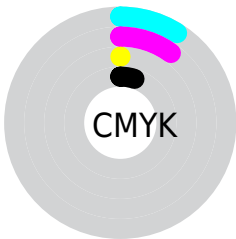
Blue (95%)



Red (86%)

Yellow (85%)

Blue (95%)

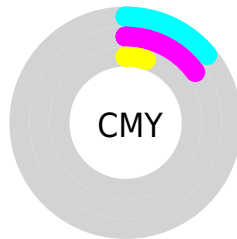


Cyan (9%)

Magenta (10%)

Yellow (0%)

Black (5%)



Cyan (14%)

Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6136, 71.7693, 94.1355 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 70.6136, 71.7693, 94.1355 by changing the saturation by 10% instead.

■ 70.6136, 71.7693,
94.1355

■ 70.6136, 71.7693,
94.1355

451.9344,
466.7382, 562.3071

■ 52.3083, 52.9702,
70.8228

119.1049,
121.7285, 155.0550

■ 37.4762, 37.7790,
51.7166

150.0216,
153.6574, 193.4988

■ 25.7517, 25.8112,
36.3986

185.8728,
190.7317, 237.8235

■ 16.7697, 16.6825,
24.4500

227.0240,
233.3358, 288.4474

■ 10.1647, 10.0084,
15.4525

273.8403,
281.8541, 345.7892

■ 5.5714, 5.4045,
8.9874

326.6873,

■ 2.6244, 2.4865,

336.6711, 410.2674

4.6363

385.9302,
398.1709, 482.3005

■ 0.9584, 0.8699,
1.9805

■ 0.0000, 0.0000,
0.5433

■ 70.6136, 71.7693,
94.1355

■ 70.6136, 71.7693,
94.1355

■ 58.5157, 56.8884,
91.9019

■ 84.5231, 88.9480,
96.7193

■ 48.1487, 44.1993,
89.9991

■ 93.0272, 99.1909,
98.2482

■ 39.4351, 33.6010,
88.4127

■ 32.2892, 24.9812,
87.1255

■ 26.6175, 18.2167,
86.1188

■ 22.3165, 13.1709,
85.3715

■ 19.2690, 9.6880,
84.8599

■ 17.3381, 7.5840,
84.5555

■ 16.3245, 6.5675,
84.4127

Harmonies

Analogous

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



67.6494, 71.7693, 95.7122



70.6136, 71.7693, 94.1355



72.9963, 71.7693, 88.1460

Triad

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



70.6136, 71.7693, 94.1355



71.6228, 71.7693, 65.5079



62.6488, 71.7693, 76.5328

Complementary

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



70.6136, 71.7693, 94.1355



80.3449, 87.0934, 78.9093

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.



63.6463, 71.7693, 68.9298



70.6136, 71.7693, 94.1355



68.7828, 71.7693, 62.8699

Square

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



70.6136, 71.7693, 94.1355



73.5908, 71.7693, 71.5478



65.8705, 71.7693, 64.0756



63.1068, 71.7693, 85.1349

Rectangle

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



70.6136, 71.7693, 94.1355



73.9049, 71.7693, 82.6746



65.8705, 71.7693, 64.0756



62.8241, 71.7693, 73.7831

Sweetspot

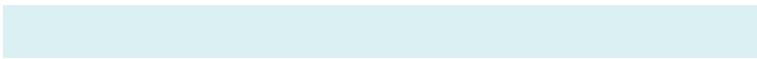
The Sweet Spot groups the original color and five complimentary colors.



70.6157, 71.7723, 94.1371



90.1245, 93.9098, 107.9841



76.2207, 83.8740, 96.1775



19.0155, 19.7609, 23.0620



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.



70.6157, 71.7723, 94.1371



76.4749, 77.0687, 105.4528



74.2500, 73.6458, 94.3072



15.0191, 15.2916, 19.8816



8.8114, 3.5478, 45.3483



0.7747, 0.3166, 3.7745

Inverse Universe

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



77.4201, 75.3145, 92.8984



85.6460, 81.8437, 103.7564



76.5312, 85.1274, 78.7308



16.3942, 16.0074, 19.6321



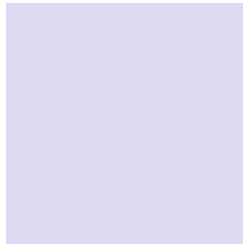
26.7695, 12.9802, 38.2984



2.2436, 1.0865, 3.2736

Previews

White Background



This preview shows how the XYZ color 70.6136, 71.7693, 94.1355 looks on a white background.

Color Contrast Check

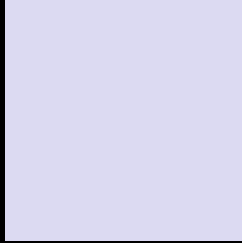
Large Text (above 18pt) WCAG AA × Fail

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 70.6136, 71.7693, 94.1355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

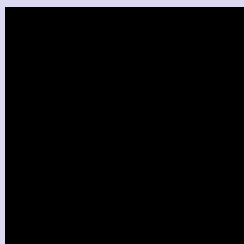
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6136, 71.7693, 94.1355

Background



This preview shows how black text looks on a background with the XYZ color 70.6136, 71.7693, 94.1355.

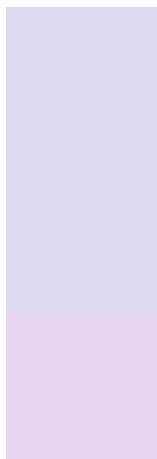


This preview shows how white text looks on a background with the XYZ color 70.6136, 71.7693,

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

70.6136, 71.7693, 94.1355

Protanopia

70.2720, 71.9793, 94.1941

Deuteranopia

73.1792, 71.5531, 94.7482



Tritanopia

69.6853, 71.7792, 89.5389

Trichromacy



Original Color

70.6136, 71.7693, 94.1355

Protanomaly

70.5719, 72.1339, 94.2081

Deuteranomaly

72.1567, 71.4028, 94.7731

Tritanomaly

69.9776, 71.8962, 91.0781

Monochromacy



Original Color

70.6136, 71.7693, 94.1355

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.5549, 72.2157, 84.4018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6136, 71.7693, 94.1355 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(220, 218, 242)` looks like.

```
.text, #text, p{  
    color:rgb(220, 218, 242)  
}
```

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(220, 218, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 218, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.6136, 71.7693, 94.1355 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(220, 218, 242) }
```


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

```
.border{ border-color:rgb(220, 218, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 218, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 218, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 218, 242);  
box-shadow:4px 4px 4px 4px rgb(220, 218,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6136, 71.7693, 94.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 218, 242) }
```

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

```
.background{ background-color: rgb(220,  
218, 242) }
```

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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