

Converting Colors

XYZ(70.4363, 72.3921, 97.4505)

Have a look what the booklet for
XYZ(70.4363, 72.3921, 97.4505)
contains.

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Color

**XYZ(70.5467, 72.4391,
97.4527)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DCF6
RGB	216, 220, 246
RGB Percent	85%, 86%, 96%
CMY	0.1529, 0.1372, 0.0353
CMYK	0.12, 0.11, 0.00, 0.04
HSL	232°, 63%, 91%
HSV	232°, 12%, 96%
XYZ	70.5467, 72.4391, 97.4527
YIQ	221.7680, -10.7300, 7.2380

Conversions

Conversions Part 2

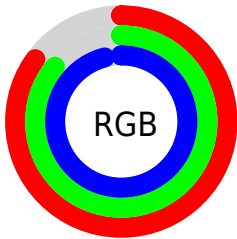
Format	Color
R _Y B	216, 220, 246
Decimal	14212342
CIE Lab	88.18, 3.66, -13.12
CIE LCh	88, 13.621, 285.570
Yxy	72.4391, 0.2934, 0.3013
Android (android.graphics.Color)	4292402422 (0xFFD8DCF6)
YUV	221.7680, 11.9464, -5.0585
Hunter-Lab	85.1112, -0.9900, -8.3095

Details

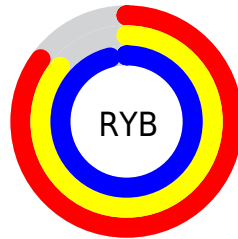
The XYZ color **70.5467, 72.4391, 97.4527** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1534, 88.0548, 77.6338**, and the grayscale version is **69.1931, 72.7966, 79.2754**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4473, 38.2050, 54.1158** is the 20% darker color. If you saturate the color by 10%, you get **58.5734, 58.4853, 95.3916**, and if you desaturate by 10%, it is **84.3259, 88.3868, 99.8058**.

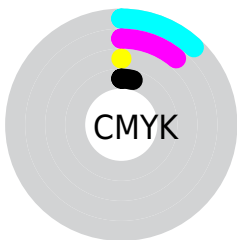
Distribution



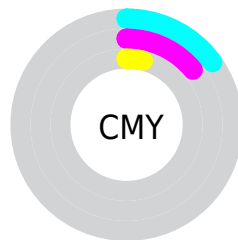
- Red (85%)
- Green (86%)
- Blue (96%)



- Red (85%)
- Yellow (86%)
- Blue (96%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5467, 72.4391, 97.4527 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 70.5467, 72.4391, 97.4527 by changing the saturation by 10% instead.

■ 70.5467, 72.4391,
97.4527

■ 70.5467, 72.4391,
97.4527

451.7038,
469.0685, 573.1713

■ 52.2536, 53.5174,
73.5699

119.0101,
122.6806, 159.6734

■ 37.4323, 38.2160,
53.9474

149.9110,
154.7693, 198.8484

■ 25.7176, 26.1504,
38.1668

185.7453,
192.0157, 243.9578

■ 16.7441, 16.9362,
25.8093

226.8782,
234.8043, 295.4203

■ 10.1464, 10.1890,
16.4565

273.6752,
283.5195, 353.6544

■ 5.5591, 5.5244,
9.6899

326.5015,

■ 2.6170, 2.5581,

338.5457, 419.0785

5.0910

385.7226,
400.2672, 492.1113

■ 0.9546, 0.9057,
2.2411

■ 0.0000, 0.0000,
0.6979

■ 70.5467, 72.4391,
97.4527

■ 70.5467, 72.4391,
97.4527

■ 58.5734, 58.4853,
95.3916

■ 84.3259, 88.3868,
99.8058

■ 48.3244, 46.4379,
93.6064

■ 93.6348, 99.4339,
101.4475

■ 39.7217, 36.2164,
92.0868

■ 32.6787, 27.7309,
90.8202

■ 27.1006, 20.8840,
89.7926

■ 22.8822, 15.5683,
88.9889

■ 19.9041, 11.6632,
88.3921

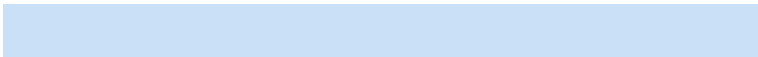
■ 18.0249, 9.0297,
87.9828

■ 17.1736, 7.7316,
87.7771

Harmonies

Analogous

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



67.3016, 72.4391, 97.5592



70.5467, 72.4391, 97.4527



73.4230, 72.4391, 92.1138

Triad

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



70.5467, 72.4391, 97.4527



73.3310, 72.4391, 66.7414



62.9599, 72.4391, 74.4863

Complementary

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



70.5467, 72.4391, 97.4527



82.1534, 88.0548, 77.6338

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.



64.4732, 72.4391, 66.9676



70.5467, 72.4391, 97.4527



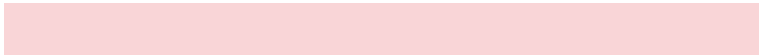
70.4243, 72.4391, 62.7411

Square

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



70.5467, 72.4391, 97.4527



75.0648, 72.4391, 74.1548



67.1831, 72.4391, 62.8204



62.9903, 72.4391, 83.7891

Rectangle

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



70.5467, 72.4391, 97.4527



74.7147, 72.4391, 86.5302



67.1831, 72.4391, 62.8204



63.3028, 72.4391, 71.6830

Sweetspot

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



70.5489, 72.4421, 97.4543



88.6412, 92.6059, 107.8106



77.2281, 86.8926, 96.3140



18.7227, 19.5324, 23.0333



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.



70.5489, 72.4421, 97.4543



72.6733, 74.0980, 105.0798



72.7130, 72.0170, 97.2582



15.7594, 16.2831, 20.8549



9.2230, 4.2398, 46.8703



0.8653, 0.4820, 4.1377

Inverse Universe

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



75.4819, 73.8737, 77.9942



79.1536, 76.0230, 79.5061



79.7781, 88.6181, 77.8677



16.5891, 16.5185, 17.5829



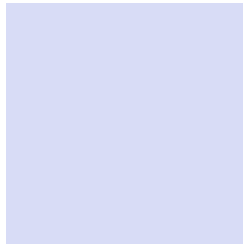
20.4599, 10.5274, 1.8640



1.8258, 0.9363, 0.3092

Previews

White Background



This preview shows how the XYZ color 70.5467, 72.4391, 97.4527 looks on a white background.

Color Contrast Check

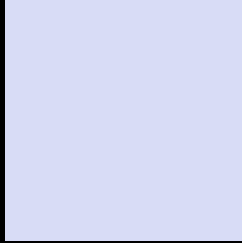
Large Text (above 18pt) WCAG AA × Fail

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 70.5467, 72.4391, 97.4527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

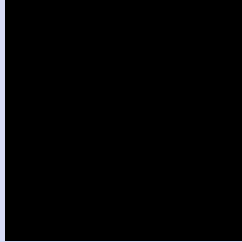
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5467, 72.4391, 97.4527

Background



This preview shows how black text looks on a background with the XYZ color 70.5467, 72.4391, 97.4527.

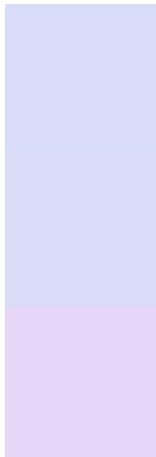


This preview shows how white text looks on a background with the XYZ color 70.5467, 72.4391,

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

70.5467, 72.4391, 97.4527

Protanopia

71.1412, 72.7456, 97.4805

Deuteranopia

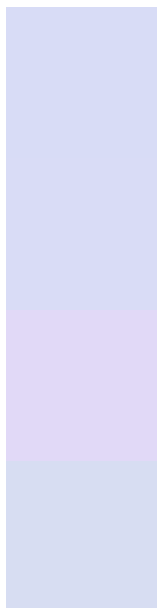
73.7221, 72.1393, 98.0344



Tritanopia

69.4608, 72.3920, 91.9734

Trichromacy



Original Color

70.5467, 72.4391, 97.4527

Protanomaly

70.8430, 72.5919, 97.4666

Deuteranomaly

72.6527, 72.3487, 98.1312

Tritanomaly

69.9078, 72.5708, 94.3274

Monochromacy



Original Color

70.5467, 72.4391, 97.4527

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.7955, 72.6981, 85.9548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5467, 72.4391, 97.4527 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(216, 220, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 220, 246)  
}
```

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(216, 220, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 220, 246) }
```

Border

The CSS property to change the border of an element to XYZ 70.5467, 72.4391, 97.4527 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(216, 220, 246) }
```


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

```
.border{ border-color:rgb(216, 220, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 220, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 220, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 220, 246);  
box-shadow:4px 4px 4px 4px rgb(216, 220,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5467, 72.4391, 97.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 220, 246) }
```

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

```
.background{ background-color: rgb(216,  
220, 246) }
```

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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