

Converting Colors

XYZ(70.9125, 73.3203,
105.0225)

Have a look what the booklet for
XYZ(70.9125, 73.3203, 105.0225)
contains.

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Color

**XYZ(70.7496, 73.1642,
105.0009)**

Conversions

Conversions Part 1

Format	Color
Hex	D2DEFF
RGB	210, 222, 255
RGB Percent	82%, 87%, 100%
CMY	0.1765, 0.1294, 0.0000
CMYK	0.18, 0.13, 0.00, 0.00
HSL	224°, 100%, 91%
HSV	224°, 18%, 100%
XYZ	70.7496, 73.1642, 105.0009
YIQ	222.1740, -17.7450, 7.7190

Conversions

Conversions Part 2

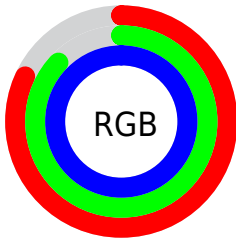
Format	Color
R _{YB}	210, 219, 255
Decimal	13819647
CIE Lab	88.53, 2.60, -17.38
CIE LCh	89, 17.570, 278.498
Yxy	73.1642, 0.2842, 0.2939
Android (android.graphics.Color)	4292009727 (0xFFD2DEFF)
YUV	222.1740, 16.1832, -10.6766
Hunter-Lab	85.5361, -2.0451, -12.9069

Details

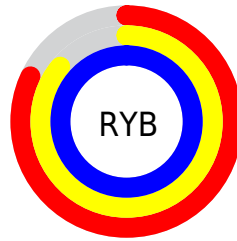
The XYZ color **70.7496, 73.1642, 105.0009** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.9231, 90.0131, 73.8727**, and the grayscale version is **69.4540, 73.0710, 79.5744**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5293, 38.6832, 58.9147** is the 20% darker color. If you saturate the color by 10%, you get **59.3662, 60.3293, 103.1235**, and if you desaturate by 10%, it is **83.8446, 87.7028, 107.1170**.

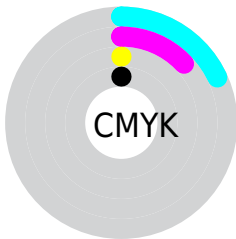
Distribution



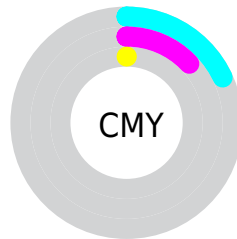
- Red (82%)
- Green (87%)
- Blue (100%)



- Red (82%)
- Yellow (86%)
- Blue (100%)



- Cyan (18%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7496, 73.1642, 105.0009 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 70.7496, 73.1642, 105.0009 by changing the saturation by 10% instead.

■ 70.7496, 73.1642,
105.0009

■ 70.7496, 73.1642,
105.0009

452.4031,
471.5837, 597.4929

■ 52.4197, 54.1102,
79.8435

119.2976,
123.7103, 170.1243

■ 37.5653, 38.6898,
59.0641

150.2463,
155.9712, 210.9274

■ 25.8212, 26.5185,
42.2444

186.1321,
193.4032, 257.7828

■ 16.8219, 17.2119,
28.9657

227.3202,
236.3907, 311.1090

■ 10.2021, 10.3857,
18.8095

274.1760,
285.3181, 371.3245

■ 5.5965, 5.6554,
11.3573

327.0648,

■ 2.6396, 2.6367,

340.5699, 438.8480

6.1905

386.3521,
402.5302, 514.0979

■ 0.9662, 0.9452,
2.8906

■ 0.0000, 0.0000,
1.0391

■ 70.7496, 73.1642,
105.0009

■ 70.7496, 73.1642,
105.0009

■ 59.3662, 60.3293,
103.1235

■ 83.8446, 87.7028,
107.1170

■ 49.6157, 49.1254,
101.4749

95.0500, 100.0000,
108.9000

■ 41.4222, 39.4872,
100.0464

■ 34.7013, 31.3416,
98.8283

■ 29.3598, 24.6090,
97.8103

■ 25.2935, 19.2019,
96.9810

■ 22.3814, 15.0213,
96.3275

■ 20.4696, 11.9477,
95.8350

■ 20.1181, 11.3563,
95.7394

Harmonies

Analogous

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



66.6008, 73.1642, 103.3677



70.7496, 73.1642, 105.0009



74.7287, 73.1642, 99.3253

Triad

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



70.7496, 73.1642, 105.0009



76.1039, 73.1642, 66.0218



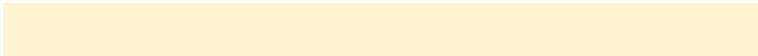
62.2422, 73.1642, 71.4248

Complementary

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



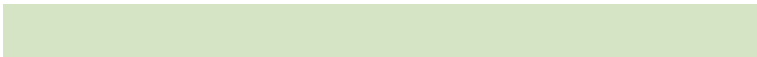
70.7496, 73.1642, 105.0009



84.9231, 90.0131, 73.8727

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.



64.5979, 73.1642, 62.7842



70.7496, 73.1642, 105.0009



72.5652, 73.1642, 59.8919

Square

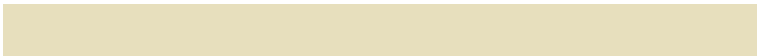
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7496, 73.1642, 105.0009



77.9011, 73.1642, 76.2695



68.3450, 73.1642, 58.7698



61.8004, 73.1642, 83.1565

Rectangle

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



70.7496, 73.1642, 105.0009



76.7102, 73.1642, 92.4689



68.3450, 73.1642, 58.7698



62.8318, 73.1642, 68.0983

Sweetspot

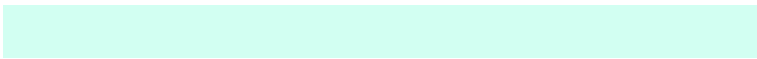
The Sweet Spot groups the original color and five complimentary colors.



70.7516, 73.1671, 105.0014



87.6035, 91.8408, 107.7176



78.4038, 91.6479, 97.7595



18.5345, 19.4199, 23.0215



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.



70.7516, 73.1671, 105.0014



66.7462, 68.6753, 104.3455



70.5374, 68.4914, 104.1102



17.3971, 18.1657, 22.8394



10.6159, 6.1414, 50.0605



1.1188, 0.7684, 4.9026

Inverse Universe

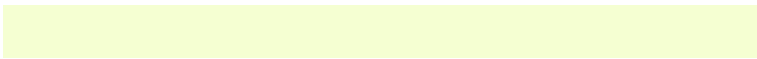
The Inverse Universe completely reimagines the original color for something new.



77.4727, 72.6286, 79.0461



74.5919, 68.1875, 74.0154



85.1368, 95.6308, 74.9458



18.2083, 18.0666, 19.7141



22.1466, 11.3479, 4.1565



2.1993, 1.1221, 0.6312

Previews

White Background



This preview shows how the XYZ color 70.7496, 73.1642, 105.0009 looks on a white background.

Color Contrast Check

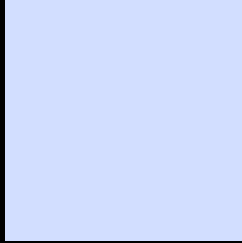
Large Text (above 18pt) WCAG AA × Fail

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 70.7496, 73.1642, 105.0009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

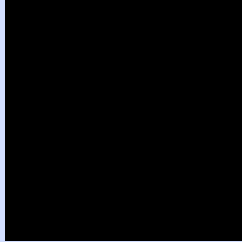
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7496, 73.1642, 105.0009

Background



This preview shows how black text looks on a background with the XYZ color 70.7496, 73.1642, 105.0009.

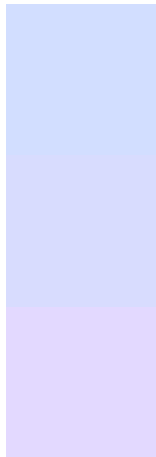


This preview shows how white text looks on a background with the XYZ color 70.7496, 73.1642,

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

70.7496, 73.1642, 105.0009

Protanopia

71.8015, 72.9411, 104.0606

Deuteranopia

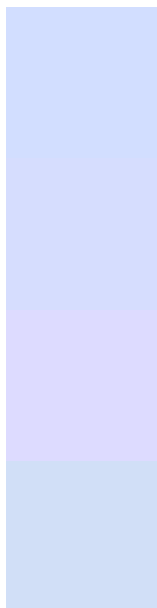
74.5414, 73.1766, 104.8035



Tritanopia

68.6951, 73.1320, 94.4997

Trichromacy



Original Color

70.7496, 73.1642, 105.0009

Protanomaly

71.4774, 73.1648, 104.1209

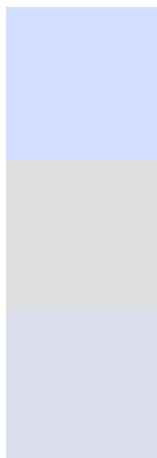
Deuteranomaly

73.2003, 73.2552, 104.8893

Tritanomaly

69.4707, 73.0461, 98.4335

Monochromacy



Original Color

70.7496, 73.1642, 105.0009

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.8860, 73.0885, 88.2660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7496, 73.1642, 105.0009 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(210, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 222, 255)  
}
```

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(210, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7496, 73.1642, 105.0009 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(210, 222, 255) }
```


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

```
.border{ border-color:rgb(210, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7496, 73.1642, 105.0009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 222, 255) }
```

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

```
.background{ background-color: rgb(210,  
222, 255) }
```

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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