

# Converting Colors

XYZ(40.6825, 30.7311, 71.4843)

Have a look what the booklet for  
XYZ(40.6825, 30.7311, 71.4843)  
contains.

<b>XYZ(40.7573, 30.7852, 71.5041)</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(40.7573, 30.7852,  
71.5041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA7FDC
RGB	186, 127, 220
RGB Percent	73%, 50%, 86%
CMY	0.2706, 0.5019, 0.1373
CMYK	0.15, 0.42, 0.00, 0.14
HSL	278°, 57%, 68%
HSV	278°, 42%, 86%
XYZ	40.7573, 30.7852, 71.5041
YIQ	155.2430, 5.3110, 41.4310

# Conversions

## Conversions Part 2

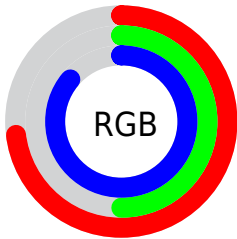
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 127, 220
Decimal	12222428
CIE <sub>Lab</sub>	62.33, 39.43, -38.80
CIE <sub>LCh</sub>	62, 55.319, 315.466
Yxy	30.7852, 0.2849, 0.2152
Android (android.graphics.Color)	4290412508 (0xFFBA7FDC)
YUV	155.2430, 31.9252, 26.9739
Hunter-Lab	55.4844, 34.0234, -37.5694

# Details

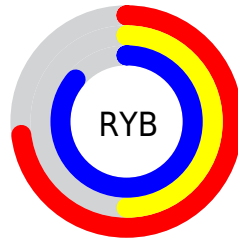
The XYZ color **40.7573, 30.7852, 71.5041** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **44.1229, 60.2965, 29.3929**, and the grayscale version is **31.1257, 32.7466, 35.6611**.

A 20% lighter version of the original color is **71.5360, 59.3224, 102.2878**, and **18.7360, 12.7108, 37.0632** is the 20% darker color. If you saturate the color by 10%, you get **36.3210, 24.7314, 70.5699**, and if you desaturate by 10%, it is **45.9261, 38.1388, 72.6516**.

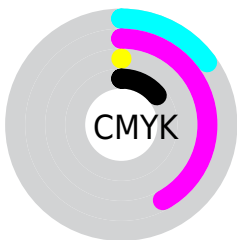
# Distribution



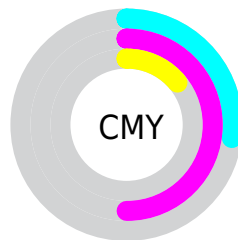
- Red (73%)
- Green (50%)
- Blue (86%)



- Red (73%)
- Yellow (50%)
- Blue (86%)



- Cyan (15%)
- Magenta (42%)
- Yellow (0%)
- Black (14%)




- Cyan (27%)
- Magenta (50%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7573, 30.7852, 71.5041 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 40.7573, 30.7852, 71.5041 by changing the saturation by 10% instead.




 40.7573, 30.7852,  
71.5041


 40.7573, 30.7852,  
71.5041

340.3852,  
305.5475, 484.7448


 28.3163, 20.4353,  
52.2693


 75.5924, 60.9017,  
123.0524

 18.7059, 12.7119,  
36.8361


 98.7172, 81.4372,  
156.2030

 11.5607, 7.2305,  
24.7858

 126.1340,  
106.1366, 194.8292

 6.5154, 3.6066,  
15.7000

158.2081,  
135.3845, 239.3497

 3.2045, 1.4561,  
9.1601

195.3049,  
169.5651, 290.1830

 1.2628, 0.2575,  
4.7475

237.7898,

 0.1551, 0.0000,

209.0629, 347.7476

2.0437

286.0281,  
254.2622, 412.4620

■ 0.0000, 0.0000,  
0.5820

■ 0.0000, 0.0000,  
0.0000

■ 40.7573, 30.7852,  
71.5041

■ 40.7573, 30.7852,  
71.5041

■ 36.3210, 24.7314,  
70.5699

■ 45.9261, 38.1388,  
72.6516

■ 32.5713, 19.8911,  
69.8333


■ 51.8630, 46.8636,  
74.0227


■ 29.4617, 16.1733,  
69.2796


■ 58.6049, 57.0300,  
75.6297


■ 26.9380, 13.4719,  
68.8912


■ 66.1854, 68.7027,  
77.4832


 24.9350, 11.6598,  
68.6469


 74.6360, 81.9421,  
79.5933

 23.6613, 10.7055,  
68.5299

 82.6955, 94.2238,  
81.5391

 85.4005, 95.6183,  
81.6657

 88.2269, 97.0754,  
81.7980

 89.9184, 97.9473,  
81.8771

# Harmonies

## Analogous

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



33.2658, 30.7852, 90.9571



40.7573, 30.7852, 71.5041



45.5083, 30.7852, 44.9567

# Triad

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



40.7573, 30.7852, 71.5041



33.0205, 30.7852, 7.3669



17.4719, 30.7852, 45.7477

# Complementary

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



40.7573, 30.7852, 71.5041



44.1229, 60.2965, 29.3929

# 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.



17.4291, 30.7852, 24.2085



40.7573, 30.7852, 71.5041



25.5901, 30.7852, 7.4302

# Square

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



40.7573, 30.7852, 71.5041



40.5515, 30.7852, 11.8962



20.1585, 30.7852, 12.1350



20.2878, 30.7852, 72.2915



# Rectangle

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



40.7573, 30.7852, 71.5041



46.0405, 30.7852, 29.7474



20.1585, 30.7852, 12.1350



17.1510, 30.7852, 37.5984

# Sweetspot

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



40.7584, 30.7865, 71.5048



81.0524, 78.4164, 105.4717



34.4342, 35.2054, 72.6910



16.8831, 16.0777, 22.4634



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.



40.7584, 30.7865, 71.5048



51.2366, 35.2056, 98.7026



48.4414, 34.9300, 63.6065



13.1288, 13.0245, 16.4742



14.0128, 6.3480, 40.2251



1.0012, 0.4594, 2.6104



# Inverse Universe

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



43.5386, 32.9689, 37.7885



56.0614, 38.9122, 43.8356



39.0361, 57.5750, 33.6367



13.2518, 13.1298, 14.5874



18.2304, 9.2932, 5.5934

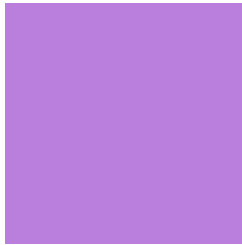


1.2217, 0.6183, 0.5763



# Previews

## White Background



This preview shows how the XYZ color 40.7573, 30.7852, 71.5041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

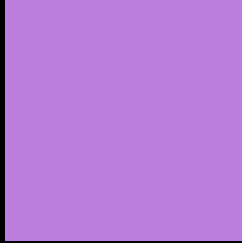
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7573, 30.7852, 71.5041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

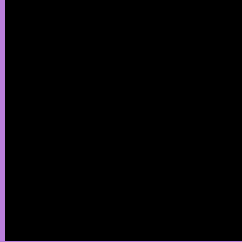
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.7573, 30.7852, 71.5041**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7573, 30.7852, 71.5041.



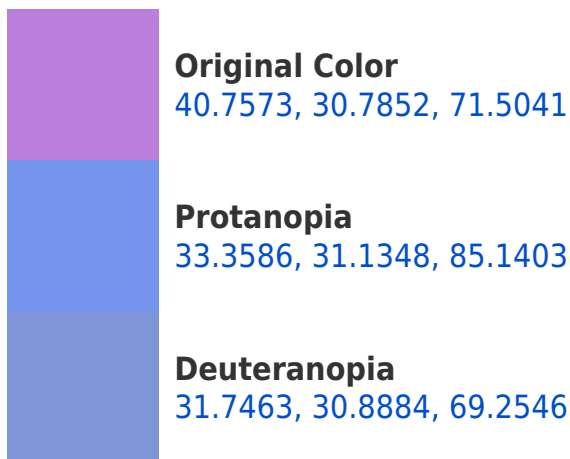
This preview shows how white text looks on a background with the XYZ color 40.7573, 30.7852,



# 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





## Tritanopia

33.1020, 30.7599, 34.3296

# Trichromacy



## Original Color

40.7573, 30.7852, 71.5041



## Protanomaly

34.9572, 30.2765, 79.6028



## Deuteranomaly

34.2620, 30.3554, 69.6990



## Tritanomaly

35.4719, 30.6494, 45.6413

# Monochromacy



## Original Color

40.7573, 30.7852, 71.5041



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

33.9880, 31.6125, 46.9583

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7573, 30.7852, 71.5041 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(186, 127, 220)` looks like.

```
.text, #text, p{  
    color:rgb(186, 127, 220)  
}
```

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(186, 127, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 127, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7573, 30.7852, 71.5041 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(186, 127, 220) }
```



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

```
.border{ border-color:rgb(186, 127, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 127, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 127, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 127, 220);  
box-shadow:4px 4px 4px 4px rgb(186, 127,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7573, 30.7852, 71.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 127, 220) }
```

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

```
.background{ background-color: rgb(186,  
127, 220) }
```

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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