

Converting Colors

XYZ(51.3942, 47.2271, 77.2056)

Have a look what the booklet for
XYZ(51.3942, 47.2271, 77.2056)
contains.

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Color

**XYZ(51.1631, 47.0047,
76.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	C4ADE0
RGB	196, 173, 224
RGB Percent	77%, 68%, 88%
CMY	0.2314, 0.3216, 0.1216
CMYK	0.12, 0.23, 0.00, 0.12
HSL	267°, 45%, 78%
HSV	267°, 23%, 88%
XYZ	51.1631, 47.0047, 76.8972
YIQ	185.6910, -2.6630, 20.7370

Conversions

Conversions Part 2

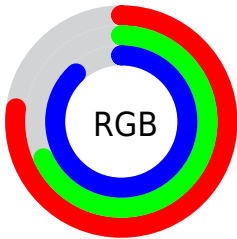
Format	Color
R_{YB}	196, 173, 224
Decimal	12889568
CIE _{Lab}	74.19, 17.97, -22.60
CIE _{LCh}	74, 28.876, 308.489
Yxy	47.0047, 0.2923, 0.2685
Android (android.graphics.Color)	4291079648 (0xFFC4ADE0)
YUV	185.6910, 18.8863, 9.0410
Hunter-Lab	68.5600, 13.2262, -18.5080

Details

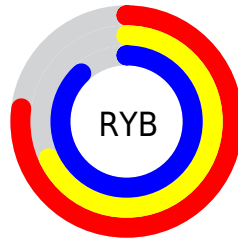
The XYZ color **51.1631, 47.0047, 76.8972** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.2873, 68.7470, 49.7347**, and the grayscale version is **46.3994, 48.8158, 53.1604**.

A 20% lighter version of the original color is **86.5773, 84.1413, 106.2855**, and **25.1541, 22.2901, 40.5128** is the 20% darker color. If you saturate the color by 10%, you get **44.1540, 37.5417, 75.4408**, and if you desaturate by 10%, it is **59.1575, 58.0470, 78.6080**.

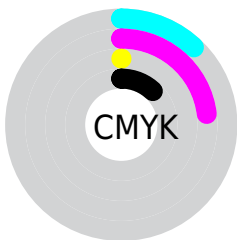
Distribution



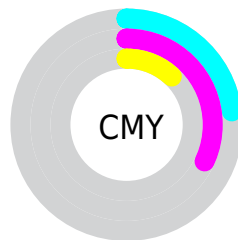
- Red (77%)
- Green (68%)
- Blue (88%)



- Red (77%)
- Yellow (68%)
- Blue (88%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (12%)



- Cyan (23%)
- Magenta (32%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1631, 47.0047, 76.8972 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 51.1631, 47.0047, 76.8972 by changing the saturation by 10% instead.

■ 51.1631, 47.0047,
76.8972

■ 51.1631, 47.0047,
76.8972

381.5744,
374.8333, 503.8418

■ 36.5600, 33.0394,
56.6574

■ 91.0774, 85.7206,
130.7660

■ 25.0391, 22.1566,
40.3228

117.1193,
111.2400, 165.2322

■ 16.2351, 13.9720,
27.4746

147.7048,
141.3796, 205.2776

■ 9.7826, 8.1012,
17.6944

183.1993,
176.5237, 251.3208

■ 5.3162, 4.1598,
10.5636

223.9681,
217.0567, 303.7802

■ 2.4706, 1.7633,
5.6638

270.3767,

■ 0.8805, 0.4642,

263.3630, 363.0745

2.5763

322.7903,
315.8271, 429.6222

■ 0.0000, 0.0000,
0.8802

■ 0.0000, 0.0000,
0.0000

■ 51.1631, 47.0047,
76.8972

■ 51.1631, 47.0047,
76.8972

■ 44.1540, 37.5417,
75.4408

■ 59.1575, 58.0470,
78.6080

■ 38.0836, 29.5770,
74.2234

■ 68.1722, 70.7325,
80.5814

■ 32.9079, 23.0315,
73.2328

■ 78.2457, 85.1288,
82.8292

■ 28.5773, 17.8158,
72.4543

■ 86.9391, 96.3495,
84.5369

■ 25.0368, 13.8302,
71.8716

■ 90.4547, 98.1619,
84.7014

■ 22.2234, 10.9601,
71.4659

■ 20.0627, 9.0680,
71.2146

■ 18.8235, 8.1496,
71.1026

Harmonies

Analogous

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



46.1623, 47.0047, 84.8746



51.1631, 47.0047, 76.8972



54.5931, 47.0047, 62.3626

Triad

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



51.1631, 47.0047, 76.8972



48.4273, 47.0047, 28.9736



35.5360, 47.0047, 55.5052

Complementary

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



51.1631, 47.0047, 76.8972



58.2873, 68.7470, 49.7347

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.



36.0401, 47.0047, 41.4213



51.1631, 47.0047, 76.8972



43.2231, 47.0047, 27.8433

Square

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



51.1631, 47.0047, 76.8972



52.9306, 47.0047, 35.4077



38.7628, 47.0047, 31.9502



37.3286, 47.0047, 71.0538

Rectangle

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



51.1631, 47.0047, 76.8972



55.3855, 47.0047, 51.9357



38.7628, 47.0047, 31.9502



35.4455, 47.0047, 50.4319

Sweetspot

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



51.1646, 47.0067, 76.8982



86.1036, 87.3237, 106.9248



51.5880, 56.0643, 78.6242



18.2716, 18.4683, 22.8517



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.



51.1646, 47.0067, 76.8982



64.3151, 57.1833, 102.2555



58.3554, 50.7137, 77.2348



13.5361, 13.5444, 17.2886



11.0850, 4.8099, 41.3925



0.8704, 0.3860, 2.8739

Inverse Universe

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



56.2281, 49.9534, 61.9385



72.2784, 61.8202, 78.6089



52.0029, 65.5073, 49.4406



14.0205, 13.8258, 15.8783



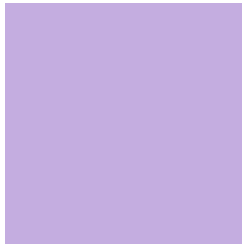
20.0323, 10.0799, 12.1019



1.4335, 0.7167, 1.0756

Previews

White Background



This preview shows how the XYZ color 51.1631, 47.0047, 76.8972 looks on a white background.

Color Contrast Check

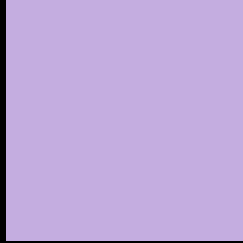
Large Text (above 18pt) WCAG AA × Fail

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 51.1631, 47.0047, 76.8972 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 51.1631, 47.0047, 76.8972

Background



This preview shows how black text looks on a background with the XYZ color 51.1631, 47.0047, 76.8972.



This preview shows how white text looks on a background with the XYZ color 51.1631, 47.0047,

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

51.1631, 47.0047, 76.8972

Protanopia

47.4613, 47.3628, 80.7692

Deuteranopia

48.2618, 47.2712, 76.3926



Tritanopia

47.2316, 47.1668, 57.0668

Trichromacy



Original Color

51.1631, 47.0047, 76.8972

Protanomaly

48.6079, 47.0901, 79.2004

Deuteranomaly

49.2911, 47.2111, 76.3268

Tritanomaly

48.6135, 47.1414, 63.6637

Monochromacy



Original Color

51.1631, 47.0047, 76.8972

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.1844, 48.1650, 61.4008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1631, 47.0047, 76.8972 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(196, 173, 224)` looks like.

```
.text, #text, p{  
    color:rgb(196, 173, 224)  
}
```

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(196, 173, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 173, 224) }
```

Border

The CSS property to change the border of an element to XYZ 51.1631, 47.0047, 76.8972 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(196, 173, 224) }
```


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

```
.border{ border-color:rgb(196, 173, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 173, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 173, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 173, 224);  
box-shadow:4px 4px 4px 4px rgb(196, 173,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1631, 47.0047, 76.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 173, 224) }
```

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

```
.background{ background-color: rgb(196,  
173, 224) }
```

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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