

Converting Colors

XYZ(47.0456, 37.7393, 77.4417)

Have a look what the booklet for
XYZ(47.0456, 37.7393, 77.4417)
contains.

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Color

**XYZ(47.0165, 37.6672,
77.4655)**

Conversions

Conversions Part 1

Format	Color
Hex	C591E3
RGB	197, 145, 227
RGB Percent	77%, 57%, 89%
CMY	0.2274, 0.4314, 0.1098
CMYK	0.13, 0.36, 0.00, 0.11
HSL	278°, 59%, 73%
HSV	278°, 36%, 89%
XYZ	47.0165, 37.6672, 77.4655
YIQ	169.8960, 4.6700, 36.5260

Conversions

Conversions Part 2

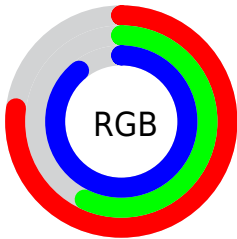
Format	Color
RYB	197, 145, 227
Decimal	12947939
CIELab	67.77, 34.34, -34.11
CIElCh	68, 48.396, 315.193
Yxy	37.6672, 0.2900, 0.2323
Android (android.graphics.Color)	4291138019 (0xFFC591E3)
YUV	169.8960, 28.1523, 23.7702
Hunter-Lab	61.3736, 29.3397, -31.8740

Details

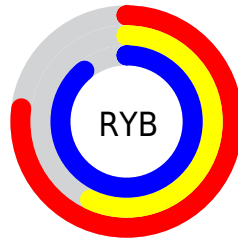
The XYZ color **47.0165, 37.6672, 77.4655** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **50.2603, 66.0974, 36.8988**, and the grayscale version is **38.0205, 40.0005, 43.5606**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **22.5087, 16.6965, 40.5645** is the 20% darker color. If you saturate the color by 10%, you get **41.7734, 30.3201, 76.3243**, and if you desaturate by 10%, it is **53.0749, 46.4651, 78.8450**.

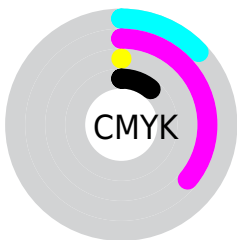
Distribution



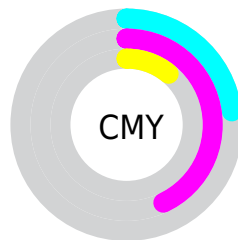
- Red (77%)
- Green (57%)
- Blue (89%)



- Red (77%)
- Yellow (57%)
- Blue (89%)



- Cyan (13%)
- Magenta (36%)
- Yellow (0%)
- Black (11%)



- Cyan (23%)
- Magenta (43%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0165, 37.6672, 77.4655 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 47.0165, 37.6672, 77.4655 by changing the saturation by 10% instead.

47.0165, 37.6672,
77.4655

47.0165, 37.6672,
77.4655

365.5282,
336.1902, 505.8294

33.2567, 25.7245,
57.1212

84.9568, 71.5978,
131.5754

22.4833, 16.6176,
40.6925

109.8681, 94.3544,
166.1780

14.3311, 9.9623,
27.7610

139.2272,
121.4845, 206.3705

8.4345, 5.3739,
17.9081

173.3996,
153.3724, 252.5713

4.4284, 2.4683,
10.7153

212.7505,
190.4025, 305.1991

1.9472, 0.8607,
5.7640

257.6453,

0.6041, 0.0000,

232.9593, 364.6724

2.6356

308.4494,
281.4270, 431.4096

■ 0.0000, 0.0000,
0.9108

■ 0.0000, 0.0000,
0.0000

■ 47.0165, 37.6672,
77.4655

■ 47.0165, 37.6672,
77.4655

■ 41.7734, 30.3201,
76.3243

■ 53.0749, 46.4651,
78.8450

■ 37.2984, 24.3351,
75.4049

■ 59.9848, 56.7862,
80.4729

■ 33.5448, 19.6210,
74.6929

■ 67.7845, 68.7036,
82.3621

■ 30.4589, 16.0728,
74.1706

■ 76.5088, 82.2842,
84.5236

■ 27.9779, 13.5685,
73.8180

■ 85.0622, 95.3345,
86.5918

■ 26.0244, 11.9562,
73.6098

■ 87.9236, 96.8096,
86.7257

■ 25.3584, 11.4710,
73.5512

■ 90.8652, 98.3261,
86.8634

Harmonies

Analogous

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



39.7082, 37.6672, 95.0490



47.0165, 37.6672, 77.4655



51.5996, 37.6672, 52.4765

Triad

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



47.0165, 37.6672, 77.4655



39.6077, 37.6672, 12.6732



23.6291, 37.6672, 52.7942

Complementary

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



47.0165, 37.6672, 77.4655



50.2603, 66.0974, 36.8988

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.



23.6100, 37.6672, 31.3541



47.0165, 37.6672, 77.4655



32.1599, 37.6672, 12.7062

Square

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



47.0165, 37.6672, 77.4655



46.9341, 37.6672, 18.1661



26.5289, 37.6672, 18.2807



26.5852, 37.6672, 77.7667

Rectangle

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



47.0165, 37.6672, 77.4655



52.1359, 37.6672, 37.3935



26.5289, 37.6672, 18.2807



23.2941, 37.6672, 44.8592

Sweetspot

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



47.0178, 37.6688, 77.4663



83.0702, 81.4962, 105.9598



40.8866, 42.2533, 78.6744



17.4861, 16.9944, 22.6086



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.



47.0178, 37.6688, 77.4663



56.2193, 42.0075, 99.7529



54.2083, 41.5445, 70.1736



14.4571, 14.3379, 18.1498



14.9214, 6.7581, 42.9012



1.2039, 0.5516, 3.1750

Inverse Universe

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



49.5430, 39.6784, 45.6064



60.2252, 45.1404, 51.6960



45.1425, 63.3569, 41.2744



14.5939, 14.4547, 16.0617



19.4380, 9.9094, 5.9357



1.4799, 0.7497, 0.6676

Previews

White Background



This preview shows how the XYZ color 47.0165, 37.6672, 77.4655 looks on a white background.

Color Contrast Check

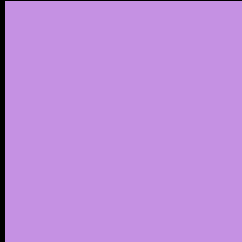
Large Text (above 18pt) WCAG AA × Fail

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 47.0165, 37.6672, 77.4655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

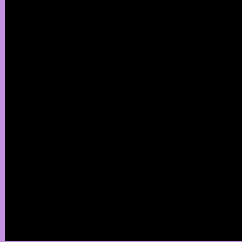
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0165, 37.6672, 77.4655

Background



This preview shows how black text looks on a background with the XYZ color 47.0165, 37.6672, 77.4655.

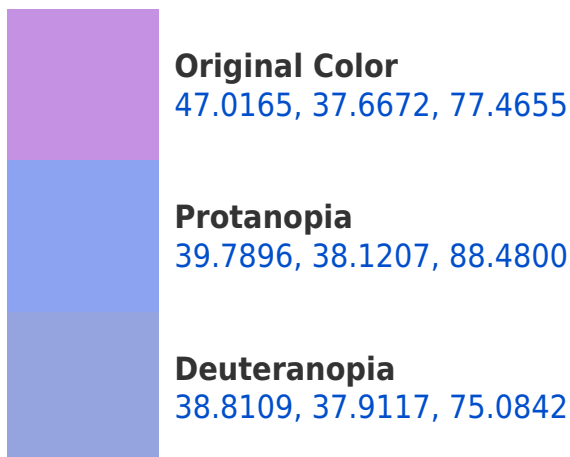


This preview shows how white text looks on a background with the XYZ color 47.0165, 37.6672,

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

39.9574, 37.6699, 42.7011

Trichromacy



Original Color

47.0165, 37.6672, 77.4655



Protanomaly

41.7267, 37.4101, 84.3785



Deuteranomaly

41.0689, 37.2657, 75.5495



Tritanomaly

42.1714, 37.5765, 53.7455

Monochromacy



Original Color

47.0165, 37.6672, 77.4655



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

40.9712, 38.9546, 54.6498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0165, 37.6672, 77.4655 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(197, 145, 227)` looks like.

```
.text, #text, p{  
    color:rgb(197, 145, 227)  
}
```

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(197, 145, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 145, 227) }
```

Border

The CSS property to change the border of an element to XYZ 47.0165, 37.6672, 77.4655 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(197, 145, 227) }
```


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

```
.border{ border-color:rgb(197, 145, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 145, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 145, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 145, 227);  
box-shadow:4px 4px 4px 4px rgb(197, 145,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0165, 37.6672, 77.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 145, 227) }
```

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

```
.background{ background-color: rgb(197,  
145, 227) }
```

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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