

Converting Colors

XYZ(47.8560, 48.0973, 78.2883)

Have a look what the booklet for
XYZ(47.8560, 48.0973, 78.2883)
contains.

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Color

**XYZ(47.9797, 48.3019,
78.0286)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB7E1
RGB	174, 183, 225
RGB Percent	68%, 72%, 88%
CMY	0.3176, 0.2823, 0.1176
CMYK	0.23, 0.19, 0.00, 0.12
HSL	229°, 46%, 78%
HSV	229°, 23%, 88%
XYZ	47.9797, 48.3019, 78.0286
YIQ	185.0970, -18.8460, 11.1540

Conversions

Conversions Part 2

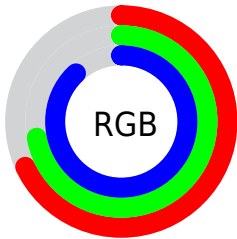
Format	Color
RYB	174, 182, 225
Decimal	11450337
CIELab	75.01, 5.81, -22.05
CIELCh	75, 22.806, 284.760
Yxy	48.3019, 0.2753, 0.2771
Android (android.graphics.Color)	4289640417 (0xFFAEB7E1)
YUV	185.0970, 19.6722, -9.7321
Hunter-Lab	69.4996, 1.6050, -17.9164

Details

The XYZ color **47.9797, 48.3019, 78.0286** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **63.2479, 68.1756, 49.8715**, and the grayscale version is **46.0708, 48.4701, 52.7839**.

A 20% lighter version of the original color is **81.5496, 85.7760, 106.8660**, and **23.1235, 22.9325, 41.2379** is the 20% darker color. If you saturate the color by 10%, you get **39.8074, 38.7850, 76.6232**, and if you desaturate by 10%, it is **57.4978, 59.2617, 79.6432**.

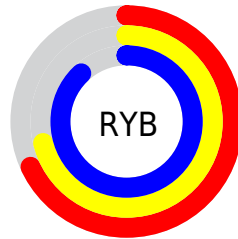
Distribution



Red (68%)

Green (72%)

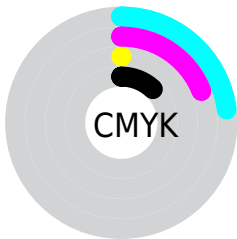
Blue (88%)



Red (68%)

Yellow (71%)

Blue (88%)

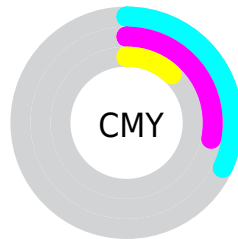


Cyan (23%)

Magenta (19%)

Yellow (0%)

Black (12%)



Cyan (32%)

Magenta (28%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9797, 48.3019, 78.0286 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 47.9797, 48.3019, 78.0286 by changing the saturation by 10% instead.

■ 47.9797, 48.3019,
78.0286

■ 47.9797, 48.3019,
78.0286

369.2956,
379.9875, 507.7944

■ 34.0220, 34.0660,
57.5809

■ 86.3841, 87.6537,
132.3767

■ 23.0735, 22.9443,
41.0593

111.5614,
113.5385, 167.1141

■ 14.7688, 14.5524,
28.0454

141.2094,
144.0750, 207.4519

■ 8.7425, 8.5059,
18.1205

175.6933,
179.6476, 253.8085

■ 4.6294, 4.4203,
10.8662

215.3785,
220.6408, 306.6025

■ 2.0640, 1.9113,
5.8639

260.6304,

■ 0.6695, 0.5552,

267.4389, 366.2525

2.6951

311.8143,
320.4264, 433.1770

■ 0.0000, 0.0000,
0.9409

■ 0.0000, 0.0000,
0.0000

■ 47.9797, 48.3019,
78.0286

■ 47.9797, 48.3019,
78.0286

■ 39.8074, 38.7850,
76.6232

■ 57.4978, 59.2617,
79.6432

■ 32.9150, 30.6448,
75.4152

■ 68.4145, 71.7156,
81.4717

■ 27.2379, 23.8181,
74.3968

■ 80.7852, 85.7193,
83.5227

■ 22.7038, 18.2347,
73.5580

■ 90.5908, 98.2163,
85.4180

■ 19.2328, 13.8175,
72.8884

■ 16.7340, 10.4805,
72.3760

■ 15.1000, 8.1247,
72.0074

■ 14.3399, 6.9345,
71.8177

Harmonies

Analogous

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



43.8368, 48.3019, 77.9639



47.9797, 48.3019, 78.0286



51.7812, 48.3019, 70.6127

Triad

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



47.9797, 48.3019, 78.0286



51.8327, 48.3019, 38.0424



38.6096, 48.3019, 46.7923

Complementary

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



47.9797, 48.3019, 78.0286



63.2479, 68.1756, 49.8715

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.



40.4994, 48.3019, 37.9329



47.9797, 48.3019, 78.0286



48.0465, 48.3019, 33.4258

Square

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



47.9797, 48.3019, 78.0286



54.0954, 48.3019, 46.9643



43.8997, 48.3019, 33.3890



38.5941, 48.3019, 58.6535

Rectangle

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



47.9797, 48.3019, 78.0286



53.5392, 48.3019, 62.9889



43.8997, 48.3019, 33.3890



39.0414, 48.3019, 43.4081

Sweetspot

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



47.9812, 48.3039, 78.0297



84.2738, 87.7476, 107.1030



56.7314, 67.7899, 74.8245



17.8487, 18.5656, 22.8927



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.



47.9812, 48.3039, 78.0297



58.5993, 58.2042, 102.7538



50.0006, 46.6763, 77.6091



13.1467, 13.6325, 17.3261



8.3229, 4.1154, 41.4041



0.6357, 0.4028, 2.8895

Inverse Universe

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



54.7359, 49.7000, 51.5100



69.0584, 60.5322, 61.6529



60.8183, 70.4409, 50.4368



13.8055, 13.7398, 14.7459



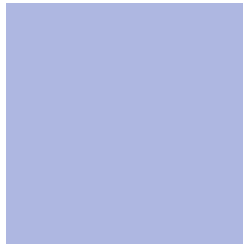
18.1412, 9.3235, 2.1436



1.2871, 0.6581, 0.3047

Previews

White Background



This preview shows how the XYZ color 47.9797, 48.3019, 78.0286 looks on a white background.

Color Contrast Check

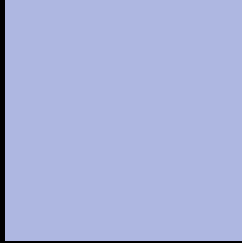
Large Text (above 18pt) WCAG AA × Fail

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 47.9797, 48.3019, 78.0286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

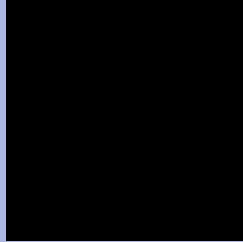
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9797, 48.3019, 78.0286

Background



This preview shows how black text looks on a background with the XYZ color 47.9797, 48.3019, 78.0286.



This preview shows how white text looks on a background with the XYZ color 47.9797, 48.3019,

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

47.9797, 48.3019, 78.0286

Protanopia

48.2033, 48.4172, 78.0390

Deuteranopia

49.5427, 48.4838, 78.6986



Tritanopia

45.0086, 48.3510, 62.8376

Trichromacy



Original Color

47.9797, 48.3019, 78.0286

Protanomaly

48.2033, 48.4172, 78.0390

Deuteranomaly

49.0458, 48.5306, 78.7339

Tritanomaly

45.9864, 48.4289, 67.8967

Monochromacy



Original Color

47.9797, 48.3019, 78.0286

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.6219, 48.2749, 61.5043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9797, 48.3019, 78.0286 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(174, 183, 225)` looks like.

```
.text, #text, p{  
    color:rgb(174, 183, 225)  
}
```

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(174, 183, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 183, 225) }
```

Border

The CSS property to change the border of an element to XYZ 47.9797, 48.3019, 78.0286 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(174, 183, 225) }
```


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

```
.border{ border-color:rgb(174, 183, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 183, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 183, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 183, 225);  
box-shadow:4px 4px 4px 4px rgb(174, 183,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9797, 48.3019, 78.0286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 183, 225) }
```

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

```
.background{ background-color: rgb(174,  
183, 225) }
```

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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