

Converting Colors

XYZ(47.3733, 49.2473, 77.5298)

Have a look what the booklet for
XYZ(47.3733, 49.2473, 77.5298)
contains.

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Color

**XYZ(47.3733, 49.2473,
77.5298)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BBE0
RGB	168, 187, 224
RGB Percent	66%, 73%, 88%
CMY	0.3412, 0.2667, 0.1216
CMYK	0.25, 0.17, 0.00, 0.12
HSL	220°, 47%, 77%
HSV	220°, 25%, 88%
XYZ	47.3733, 49.2473, 77.5298
YIQ	185.5370, -23.2010, 7.4790

Conversions

Conversions Part 2

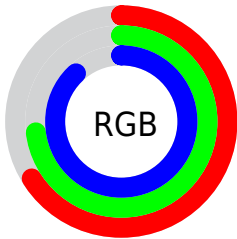
Format	Color
R _Y B	168, 182, 224
Decimal	11058144
CIE Lab	75.60, 1.58, -20.65
CIE LCh	76, 20.715, 274.383
Yxy	49.2473, 0.2720, 0.2828
Android (android.graphics.Color)	4289248224 (0xFFA8BBE0)
YUV	185.5370, 18.9623, -15.3799
Hunter-Lab	70.1764, -2.3105, -16.3792

Details

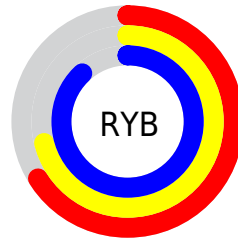
The XYZ color **47.3733, 49.2473, 77.5298** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.6402, 62.3373, 45.9360**, and the grayscale version is **46.3213, 48.7336, 53.0709**.

A 20% lighter version of the original color is **80.8411, 87.1685, 107.1722**, and **22.7568, 23.5596, 40.8842** is the 20% darker color. If you saturate the color by 10%, you get **40.0297, 41.0394, 76.3334**, and if you desaturate by 10%, it is **55.8650, 58.5297, 78.8748**.

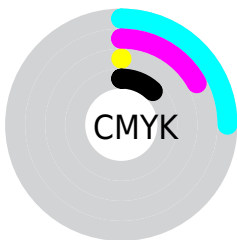
Distribution



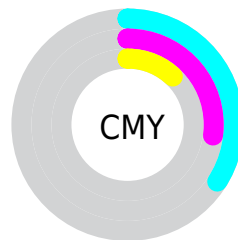
- Red (66%)
- Green (73%)
- Blue (88%)



- Red (66%)
- Yellow (71%)
- Blue (88%)



- Cyan (25%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (34%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3733, 49.2473, 77.5298 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 47.3733, 49.2473, 77.5298 by changing the saturation by 10% instead.

■ 47.3733, 49.2473,
77.5298

■ 47.3733, 49.2473,
77.5298

366.9267,
383.7151, 506.0541

■ 33.5400, 34.8157,
57.1737

■ 85.4859, 89.0586,
131.6669

■ 22.7017, 23.5209,
40.7344

■ 110.4960,
115.2072, 166.2850

■ 14.4929, 14.9786,
27.7935

139.9624,
146.0301, 206.4940

■ 8.5482, 8.8044,
17.9323

174.2505,
181.9119, 252.7127

■ 4.5024, 4.6138,
10.7325

213.7256,
223.2369, 305.3595

■ 1.9901, 2.0225,
5.7753

258.7531,

■ 0.6284, 0.6205,

270.3895, 364.8530

2.6424

309.6984,
323.7541, 431.6116

■ 0.0000, 0.0000,
0.9142

■ 0.0000, 0.0000,
0.0000

■ 47.3733, 49.2473,
77.5298

■ 47.3733, 49.2473,
77.5298

■ 40.0297, 41.0394,
76.3334

■ 55.8650, 58.5297,
78.8748

■ 33.7777, 33.8590,
75.2770

■ 65.5487, 68.9196,
80.3698

■ 28.5628, 27.6639,
74.3560

■ 76.4713, 80.4557,
82.0208

■ 24.3236, 22.4065,
73.5647

■ 87.7117, 92.6760,
83.7871

■ 20.9916, 18.0345,
72.8964

■ 90.4547, 98.1619,
84.7015

■ 18.4885, 14.4895,
72.3441

■ 16.7200, 11.7036,
71.8996

■ 16.0396, 10.5518,
71.7131

Harmonies

Analogous

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



43.6946, 49.2473, 74.9852



47.3733, 49.2473, 77.5298



51.0928, 49.2473, 72.9870

Triad

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



47.3733, 49.2473, 77.5298



53.1550, 49.2473, 42.5679



40.4745, 49.2473, 45.0073

Complementary

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



47.3733, 49.2473, 77.5298



59.6402, 62.3373, 45.9360

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.



42.7698, 49.2473, 38.0263



47.3733, 49.2473, 77.5298



50.0661, 49.2473, 36.7586

Square

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



47.3733, 49.2473, 77.5298



54.5445, 49.2473, 52.0258



46.2474, 49.2473, 35.2162



39.8401, 49.2473, 55.2504

Rectangle

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



47.3733, 49.2473, 77.5298



53.0559, 49.2473, 66.8715



46.2474, 49.2473, 35.2162



41.0710, 49.2473, 42.2494

Sweetspot

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



47.3748, 49.2493, 77.5309



85.1377, 89.4754, 107.3910



53.7523, 66.0159, 67.2889



18.0483, 18.9648, 22.9593



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.



47.3748, 49.2493, 77.5309



58.2269, 60.1479, 103.1486



45.4534, 42.6652, 76.3613



13.3303, 13.9997, 17.3873



9.4319, 6.3333, 41.7737



0.7347, 0.6009, 2.9225

Inverse Universe

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



53.7140, 47.4417, 53.3420



68.2141, 57.6818, 64.9534



61.9253, 70.6774, 47.4254



13.8982, 13.7769, 15.2340



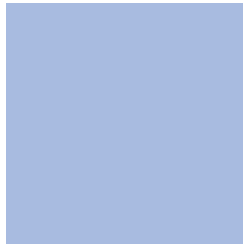
18.7010, 9.5474, 5.0911



1.3371, 0.6781, 0.5680

Previews

White Background



This preview shows how the XYZ color 47.3733, 49.2473, 77.5298 looks on a white background.

Color Contrast Check

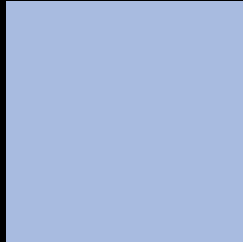
Large Text (above 18pt) WCAG AA × Fail

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 47.3733, 49.2473, 77.5298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

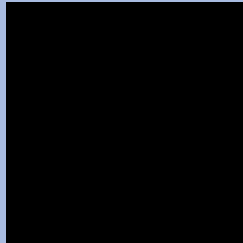
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3733, 49.2473, 77.5298

Background



This preview shows how black text looks on a background with the XYZ color 47.3733, 49.2473, 77.5298.



This preview shows how white text looks on a background with the XYZ color 47.3733, 49.2473,

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

47.3733, 49.2473, 77.5298

Protanopia

48.6854, 49.0199, 76.0030

Deuteranopia

50.3261, 49.2064, 78.0795



Tritanopia

44.7427, 49.1272, 64.8819

Trichromacy



Original Color

47.3733, 49.2473, 77.5298

Protanomaly

48.1238, 49.0243, 76.7383

Deuteranomaly

49.3215, 49.3009, 78.1507

Tritanomaly

45.5983, 49.1480, 69.3706

Monochromacy



Original Color

47.3733, 49.2473, 77.5298

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5746, 48.8716, 61.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3733, 49.2473, 77.5298 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(168, 187, 224)` looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 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(168, 187, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.3733, 49.2473, 77.5298 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(168, 187, 224) }
```


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

```
.border{ border-color:rgb(168, 187, 224) }
```

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

Here you see how a box with a 4 pixel rgb(168, 187, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 224);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3733, 49.2473, 77.5298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 224) }
```

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

```
.background{ background-color: rgb(168,  
187, 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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