

Converting Colors

XYZ(49.3798, 48.3812, 79.9515)

Have a look what the booklet for
XYZ(49.3798, 48.3812, 79.9515)
contains.

XYZ(49.3499, 48.3525, 80.1307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3499, 48.3525,
80.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B5E4
RGB	180, 181, 228
RGB Percent	71%, 71%, 89%
CMY	0.2941, 0.2902, 0.1059
CMYK	0.21, 0.21, 0.00, 0.11
HSL	239°, 47%, 80%
HSV	239°, 21%, 89%
XYZ	49.3499, 48.3525, 80.1307
YIQ	186.0590, -15.6830, 14.4050

Conversions

Conversions Part 2

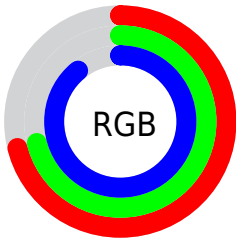
Format	Color
R_{YB}	180, 181, 228
Decimal	11843044
CIE _{Lab}	75.05, 9.43, -23.59
CIE _{LCh}	75, 25.406, 291.782
Yxy	48.3525, 0.2775, 0.2719
Android (android.graphics.Color)	4290033124 (0xFFB4B5E4)
YUV	186.0590, 20.6769, -5.3137
Hunter-Lab	69.5360, 4.9941, -19.6485

Details

The XYZ color **49.3499, 48.3525, 80.1307** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.7028, 74.7277, 54.0370**, and the grayscale version is **46.6006, 49.0274, 53.3909**.

A 20% lighter version of the original color is **82.9263, 85.6212, 106.7636**, and **23.7698, 22.8525, 42.1879** is the 20% darker color. If you saturate the color by 10%, you get **40.2910, 37.4761, 78.5096**, and if you desaturate by 10%, it is **60.0123, 61.1375, 82.0373**.

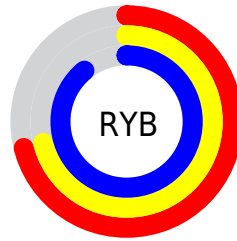
Distribution



Red (71%)

Green (71%)

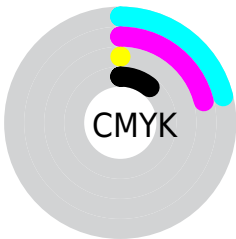
Blue (89%)



Red (71%)

Yellow (71%)

Blue (89%)

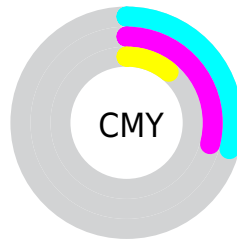


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (29%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3499, 48.3525, 80.1307 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 49.3499, 48.3525, 80.1307 by changing the saturation by 10% instead.

■ 49.3499, 48.3525,
80.1307

■ 49.3499, 48.3525,
80.1307

374.6123,
380.1877, 515.0916

■ 35.1128, 34.1061,
59.2991

■ 88.4085, 87.7290,
135.3625

■ 23.9167, 22.9751,
42.4324

113.9607,
113.6279, 170.5999

■ 15.3962, 14.5751,
29.1119

144.0154,
144.1798, 211.4762

■ 9.1861, 8.5218,
18.9192

178.9378,
179.7691, 258.4100

■ 4.9208, 4.4306,
11.4357

219.0933,
220.7801, 311.8200

■ 2.2352, 1.9172,
6.2428

264.8474,

■ 0.7612, 0.5587,

267.5973, 372.1245

2.9221

316.5653,
320.6050, 439.7422

■ 0.0000, 0.0000,
1.0550

■ 0.0000, 0.0000,
0.0000

■ 49.3499, 48.3525,
80.1307

■ 49.3499, 48.3525,
80.1307

■ 40.2910, 37.4761,
78.5096

■ 60.0123, 61.1375,
82.0373

■ 32.7538, 28.4114,
77.1572

■ 72.3455, 75.9103,
84.2387

■ 26.6561, 21.0617,
76.0599

■ 86.4187, 92.7527,
86.7479

■ 21.9063, 15.3190,
75.2018

■ 91.0037, 98.3815,
87.5927

■ 18.4023, 11.0631,
74.5650

■ 16.0273, 8.1570,
74.1293

■ 14.6424, 6.4383,
73.8705

■ 14.0554, 5.7047,
73.7599

Harmonies

Analogous

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



44.6936, 48.3525, 82.2162



49.3499, 48.3525, 80.1307



53.3328, 48.3525, 70.0979

Triad

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



49.3499, 48.3525, 80.1307



51.7035, 48.3525, 35.0099



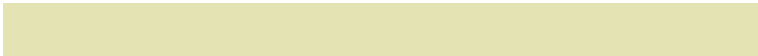
37.6776, 48.3525, 49.0778

Complementary

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



49.3499, 48.3525, 80.1307



67.7028, 74.7277, 54.0370

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.



39.2957, 48.3525, 38.3642



49.3499, 48.3525, 80.1307



47.2452, 48.3525, 31.1842

Square

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



49.3499, 48.3525, 80.1307



54.7541, 48.3525, 43.7203



42.7244, 48.3525, 32.2994



38.1576, 48.3525, 62.7143

Rectangle

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



49.3499, 48.3525, 80.1307



54.9678, 48.3525, 61.0502



42.7244, 48.3525, 32.2994



37.9901, 48.3525, 45.0537

Sweetspot

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



49.3514, 48.3545, 80.1318



85.0491, 88.0242, 107.1155



60.3493, 70.7040, 82.7069



17.9814, 18.5742, 22.8874



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.



49.3514, 48.3545, 80.1318



58.5760, 56.2832, 102.3842



54.7916, 50.8578, 80.3283



13.6068, 13.9350, 18.1169



8.1266, 3.3153, 42.5948



0.6091, 0.2621, 3.1505

Inverse Universe

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



56.6579, 52.4741, 50.8605



69.5042, 62.4623, 58.5998



61.3254, 71.8477, 53.8173



14.3891, 14.3728, 14.9836



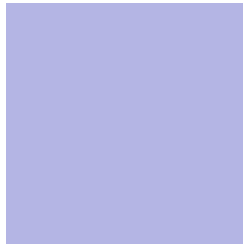
18.4954, 9.5324, 0.9720



1.3711, 0.7061, 0.0946

Previews

White Background



This preview shows how the XYZ color 49.3499, 48.3525, 80.1307 looks on a white background.

Color Contrast Check

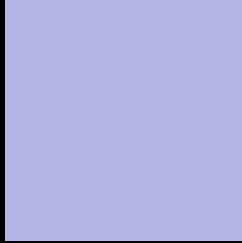
Large Text (above 18pt) WCAG AA × Fail

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 49.3499, 48.3525, 80.1307 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 49.3499, 48.3525, 80.1307

Background



This preview shows how black text looks on a background with the XYZ color 49.3499, 48.3525, 80.1307.



This preview shows how white text looks on a background with the XYZ color 49.3499, 48.3525,

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

49.3499, 48.3525, 80.1307

Protanopia

48.5319, 48.5228, 80.9367

Deuteranopia

49.5835, 48.4729, 80.1417



Tritanopia

45.7807, 48.4488, 62.1970

Trichromacy



Original Color

49.3499, 48.3525, 80.1307

Protanomaly

48.7753, 48.3431, 80.8892

Deuteranomaly

49.5835, 48.4729, 80.1417

Tritanomaly

47.0298, 48.3312, 68.4781

Monochromacy



Original Color

49.3499, 48.3525, 80.1307

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4503, 48.6884, 62.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3499, 48.3525, 80.1307 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(180, 181, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 228)  
}
```

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(180, 181, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 228) }
```

Border

The CSS property to change the border of an element to XYZ 49.3499, 48.3525, 80.1307 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(180, 181, 228) }
```


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

```
.border{ border-color:rgb(180, 181, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 181, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 181, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 181, 228);  
box-shadow:4px 4px 4px 4px rgb(180, 181,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3499, 48.3525, 80.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 228) }
```

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

```
.background{ background-color: rgb(180,  
181, 228) }
```

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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