

Converting Colors

XYZ(49.7638, 49.0095, 73.8548)

Have a look what the booklet for
XYZ(49.7638, 49.0095, 73.8548)
contains.

XYZ(49.7638, 49.0095, 73.8548)	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(49.7638, 49.0095,
73.8548)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB6DB
RGB	186, 182, 219
RGB Percent	73%, 71%, 86%
CMY	0.2706, 0.2863, 0.1412
CMYK	0.15, 0.17, 0.00, 0.14
HSL	246°, 34%, 79%
HSV	246°, 17%, 86%
XYZ	49.7638, 49.0095, 73.8548
YIQ	187.4140, -9.4930, 12.3550

Conversions

Conversions Part 2

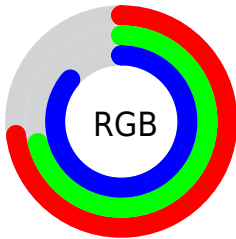
Format	Color
RYB	186, 182, 219
Decimal	12236507
CIELab	75.46, 8.78, -18.04
CIELCh	75, 20.064, 295.947
Yxy	49.0095, 0.2883, 0.2839
Android (android.graphics.Color)	4290426587 (0xFFBAB6DB)
YUV	187.4140, 15.5719, -1.2401
Hunter-Lab	70.0068, 4.3735, -13.5442

Details

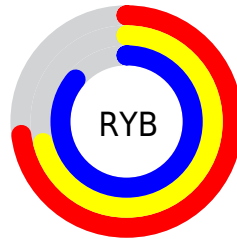
The XYZ color **49.7638, 49.0095, 73.8548** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.8012, 68.4888, 54.2207**, and the grayscale version is **47.3877, 49.8555, 54.2927**.

A 20% lighter version of the original color is **85.2425, 87.2463, 106.9552**, and **24.2240, 23.3674, 38.3556** is the 20% darker color. If you saturate the color by 10%, you get **41.1994, 38.4500, 72.2688**, and if you desaturate by 10%, it is **59.6814, 61.3103, 75.7072**.

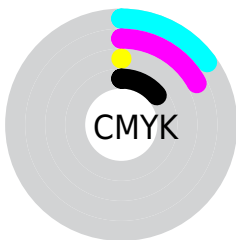
Distribution



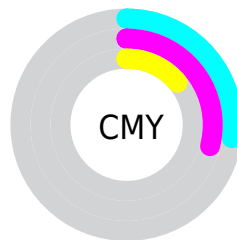
- Red (73%)
- Green (71%)
- Blue (86%)



- Red (73%)
- Yellow (71%)
- Blue (86%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (27%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7638, 49.0095, 73.8548 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 49.7638, 49.0095, 73.8548 by changing the saturation by 10% instead.

■ 49.7638, 49.0095,
73.8548

■ 49.7638, 49.0095,
73.8548

376.2088,
382.7797, 493.1221

■ 35.4428, 34.6270,
54.1791

■ 89.0187, 88.7056,
126.4221

■ 24.1723, 23.3757,
38.3507

114.6834,
114.7879, 160.1508

■ 15.5869, 14.8712,
25.9511

144.8599,
145.5391, 199.4010

■ 9.3213, 8.7290,
16.5616

179.9137,
181.3433, 244.5911

■ 5.0101, 4.5649,
9.7638

220.2102,
222.5851, 296.1397

■ 2.2880, 1.9943,
5.1391

266.1146,

■ 0.7885, 0.6041,

269.6489, 354.4654

2.2689

317.9924,
322.9189, 419.9867

■ 0.0000, 0.0000,
0.7137

■ 0.0000, 0.0000,
0.0000

■ 49.7638, 49.0095,
73.8548

■ 49.7638, 49.0095,
73.8548

■ 41.1994, 38.4500,
72.2688

■ 59.6814, 61.3103,
75.7072

■ 33.9250, 29.5471,
70.9338

■ 71.0026, 75.4197,
77.8339

■ 27.8790, 22.2183,
69.8378

■ 83.7809, 91.4091,
80.2466

■ 22.9932, 16.3717,
68.9668

■ 89.7863, 97.8945,
81.1819

■ 19.1925, 11.9057,
68.3051

■ 16.3929, 8.7056,
67.8350

■ 14.4979, 6.6384,
67.5358

■ 13.3878, 5.5342,
67.3812

■ 13.1551, 5.3046,
67.3492

Harmonies

Analogous

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



46.0811, 49.0095, 76.3694



49.7638, 49.0095, 73.8548



52.7268, 49.0095, 65.6012

Triad

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



49.7638, 49.0095, 73.8548



50.6793, 49.0095, 38.2032



39.8415, 49.0095, 51.9361

Complementary

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



49.7638, 49.0095, 73.8548



61.8012, 68.4888, 54.2207

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.



40.9343, 49.0095, 42.7502



49.7638, 49.0095, 73.8548



47.0866, 49.0095, 35.5142

Square

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



49.7638, 49.0095, 73.8548



53.2747, 49.0095, 44.9376



43.5389, 49.0095, 37.0625



40.4748, 49.0095, 62.7807

Rectangle

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



49.7638, 49.0095, 73.8548



53.8279, 49.0095, 58.4636



43.5389, 49.0095, 37.0625



40.0175, 49.0095, 48.5680

Sweetspot

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



49.7653, 49.0115, 73.8559



87.0557, 90.0397, 107.3988



56.4560, 63.8147, 76.3606



18.4018, 18.9839, 22.9443



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.



49.7653, 49.0115, 73.8559



66.0821, 64.0356, 103.4850



54.4725, 51.4382, 74.0762



12.4686, 12.6842, 16.4433



7.8450, 3.1684, 39.9365



0.5533, 0.2285, 2.5894

Inverse Universe

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



58.2088, 53.4244, 71.5364



80.0082, 71.3159, 99.5717



56.7502, 65.8850, 53.9843



13.5506, 13.2493, 16.1607



23.2104, 11.2852, 31.8176



1.5214, 0.7382, 2.1547

Previews

White Background



This preview shows how the XYZ color 49.7638, 49.0095, 73.8548 looks on a white background.

Color Contrast Check

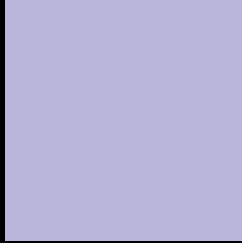
Large Text (above 18pt) WCAG AA × Fail

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 49.7638, 49.0095, 73.8548 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 49.7638, 49.0095, 73.8548

Background



This preview shows how black text looks on a background with the XYZ color 49.7638, 49.0095, 73.8548.



This preview shows how white text looks on a background with the XYZ color 49.7638, 49.0095,

73.8548.

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

49.7638, 49.0095, 73.8548

Protanopia

48.4189, 48.9133, 74.5994

Deuteranopia

50.0491, 48.8536, 73.8096



Tritanopia

47.3027, 48.9353, 61.5959

Trichromacy



Original Color

49.7638, 49.0095, 73.8548

Protanomaly

48.9078, 48.8580, 74.5630

Deuteranomaly

49.8036, 48.7270, 73.7982

Tritanomaly

48.1701, 48.9763, 65.9460

Monochromacy



Original Color

49.7638, 49.0095, 73.8548

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.1513, 49.3862, 61.0275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7638, 49.0095, 73.8548 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(186, 182, 219)` looks like.

```
.text, #text, p{  
    color:rgb(186, 182, 219)  
}
```

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(186, 182, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 182, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.7638, 49.0095, 73.8548 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(186, 182, 219) }
```


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

```
.border{ border-color:rgb(186, 182, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 182, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 182, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 182, 219); box-shadow:4px 4px 4px 4px rgb(186, 182, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7638, 49.0095, 73.8548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 182, 219) }
```

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

```
.background{ background-color: rgb(186,  
182, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor