

Converting Colors

XYZ(42.4770, 44.6474, 48.9301)

Have a look what the booklet for
XYZ(42.4770, 44.6474, 48.9301)
contains.

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Color

**XYZ(42.4172, 44.5604,
49.0132)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B2B3
RGB	178, 178, 179
RGB Percent	70%, 70%, 70%
CMY	0.3020, 0.3019, 0.2980
CMYK	0.01, 0.01, 0.00, 0.30
HSL	240°, 1%, 70%
HSV	240°, 1%, 70%
XYZ	42.4172, 44.5604, 49.0132
YIQ	178.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
RYB	178, 178, 179
Decimal	11711155
CIELab	72.60, 0.19, -0.52
CIELCh	73, 0.552, 290.356
Yxy	44.5604, 0.3119, 0.3277
Android (android.graphics.Color)	4289901235 (0xFFB2B2B3)
YUV	178.1140, 0.4368, -0.1000
Hunter-Lab	66.7536, -3.3946, 3.1944

Details

The XYZ color **42.4172, 44.5604, 49.0132** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.7465, 45.0379, 48.5605**, and the grayscale version is **42.3762, 44.5830, 48.5509**.

A 20% lighter version of the original color is **78.3499, 82.3362, 90.3603**, and **19.5570, 20.5336, 22.6713** is the 20% darker color. If you saturate the color by 10%, you get **35.2513, 35.9329, 47.7263**, and if you desaturate by 10%, it is **50.5838, 54.3926, 50.4813**.

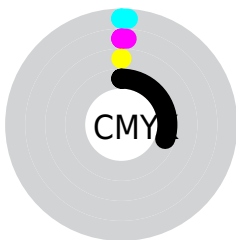
Distribution



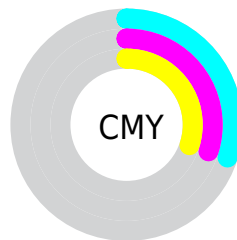
- Red (70%)
- Green (70%)
- Blue (70%)



- Red (70%)
- Yellow (70%)
- Blue (70%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)



- Cyan (30%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4172, 44.5604, 49.0132 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 42.4172, 44.5604, 49.0132 by changing the saturation by 10% instead.

■ 42.4172, 44.5604,
49.0132

■ 42.4172, 44.5604,
49.0132

347.1718,
364.9902, 399.4182

■ 29.6206, 31.1113,
34.2643

■ 78.0919, 82.0603,
90.0923

■ 19.6975, 20.6836,
22.8177

101.7007,
106.8800, 117.2595

■ 12.2823, 12.8929,
14.2549

129.6443,
136.2586, 149.4032

■ 7.0098, 7.3549,
8.1574

162.2881,
170.5806, 186.9419

■ 3.5146, 3.6850,
4.1066

199.9973,
210.2304, 230.2943

■ 1.4314, 1.4990,
1.6840

243.1375,

■ 0.2784, 0.2880,

255.5923, 279.8787

0.3497

292.0738,
307.0508, 336.1139

■ 0.0000, 0.0000,
0.0000

■ 42.4172, 44.5604,
49.0132

■ 42.4172, 44.5604,
49.0132

■ 35.2513, 35.9329,
47.7263

■ 50.5838, 54.3926,
50.4813

■ 29.0442, 28.4583,
46.6107

■ 59.7837, 65.4674,
52.1340

■ 23.7562, 22.0896,
45.6601

■ 70.0524, 77.8279,
53.9786

■ 19.3438, 16.7742,
44.8667

■ 81.4229, 91.5136,
56.0209

■ 15.7597, 12.4556,
44.2220

■ 85.1368, 96.0347,
56.6978

■ 12.9522, 9.0714,
43.7168

■ 10.8640, 6.5529,
43.3407

■ 9.4296, 4.8214,
43.0821

■ 8.5718, 3.7842,
42.9271

Harmonies

Analogous

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



42.3226, 44.5604, 49.0388



42.4172, 44.5604, 49.0132



42.4948, 44.5604, 48.8549

Triad

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



42.4172, 44.5604, 49.0132



42.4705, 44.5604, 48.1151



42.1726, 44.5604, 48.4307

Complementary

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



42.4172, 44.5604, 49.0132



42.7465, 45.0379, 48.5605

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.



42.2121, 44.5604, 48.1841



42.4172, 44.5604, 49.0132



42.3841, 44.5604, 48.0023

Square

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



42.4172, 44.5604, 49.0132



42.5256, 44.5604, 48.3361



42.2895, 44.5604, 48.0275



42.1815, 44.5604, 48.7018

Rectangle

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



42.4172, 44.5604, 49.0132



42.5264, 44.5604, 48.6956



42.2895, 44.5604, 48.0275



42.1807, 44.5604, 48.3422

Sweetspot

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



42.4185, 44.5623, 49.0142



76.7382, 80.7346, 87.9200



42.6159, 44.9599, 49.0717



17.0014, 17.8868, 19.4787



86.6293, 91.1408, 99.2523

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.4185, 44.5623, 49.0142



75.3423, 79.0539, 87.6691



42.5290, 44.6185, 49.0192



9.3915, 9.8563, 10.9138



5.7542, 2.3087, 30.2793



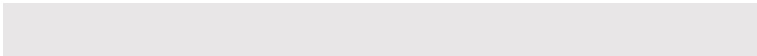
0.1816, 0.0738, 0.9529

Inverse Universe

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



42.5477, 44.6398, 48.4955



75.7624, 79.3057, 85.9828



42.6356, 44.9815, 48.5554



9.4394, 9.8851, 10.7214



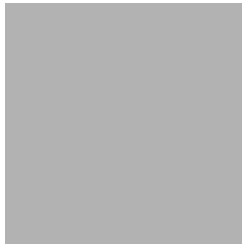
13.1391, 6.7732, 0.6265



0.4137, 0.2132, 0.0213

Previews

White Background



This preview shows how the XYZ color 42.4172, 44.5604, 49.0132 looks on a white background.

Color Contrast Check

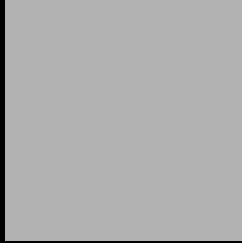
Large Text (above 18pt) WCAG AA × Fail

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 42.4172, 44.5604, 49.0132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

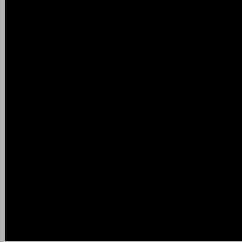
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

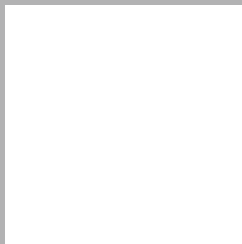
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4172, 44.5604, 49.0132

Background



This preview shows how black text looks on a background with the XYZ color 42.4172, 44.5604, 49.0132.

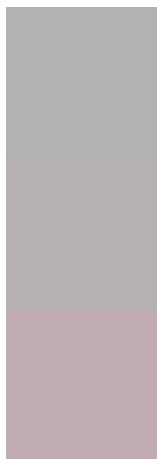


This preview shows how white text looks on a background with the XYZ color 42.4172, 44.5604,

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

42.4172, 44.5604, 49.0132

Protanopia

42.9149, 44.5227, 48.9797

Deuteranopia

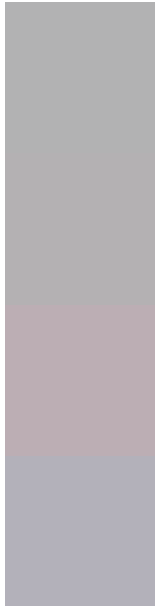
45.2389, 44.2697, 49.3406



Tritanopia

43.6420, 44.4717, 54.9989

Trichromacy



Original Color

42.4172, 44.5604, 49.0132

Protanomaly

42.6812, 44.4023, 48.9688

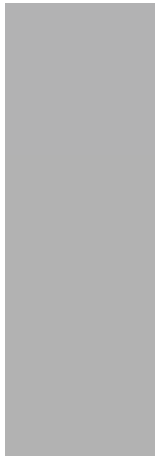
Deuteranomaly

44.1133, 44.2588, 49.3978

Tritanomaly

43.1755, 44.5732, 52.7823

Monochromacy



Original Color

42.4172, 44.5604, 49.0132

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.3164, 44.5201, 48.4824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4172, 44.5604, 49.0132 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(178, 178, 179)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 179)  
}
```

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(178, 178, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.4172, 44.5604, 49.0132 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(178, 178, 179) }
```

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

```
.border{ border-color:rgb(178, 178, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 179);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
179) }
```


Background

The CSS property to change the background color of an element to XYZ 42.4172, 44.5604, 49.0132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 179) }
```

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

```
.background{ background-color: rgb(178,  
178, 179) }
```

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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