

Converting Colors

XYZ(42.4232, 45.5475, 49.9309)

Have a look what the booklet for
XYZ(42.4232, 45.5475, 49.9309)
contains.

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Color

**XYZ(42.2177, 45.3417,
49.7067)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB5B4
RGB	174, 181, 180
RGB Percent	68%, 71%, 71%
CMY	0.3176, 0.2902, 0.2941
CMYK	0.04, 0.00, 0.01, 0.29
HSL	171°, 5%, 70%
HSV	171°, 4%, 71%
XYZ	42.2177, 45.3417, 49.7067
YIQ	178.7930, -3.8510, -1.7950

Conversions

Conversions Part 2

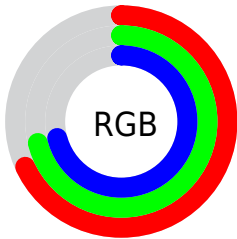
Format	Color
RYB	174, 178, 181
Decimal	11449780
CIELab	73.12, -2.63, -0.35
CIELCh	73, 2.650, 187.570
Yxy	45.3417, 0.3076, 0.3303
Android (android.graphics.Color)	4289639860 (0xFFFAEB5B4)
YUV	178.7930, 0.5951, -4.2035
Hunter-Lab	67.3362, -5.9246, 3.3683

Details

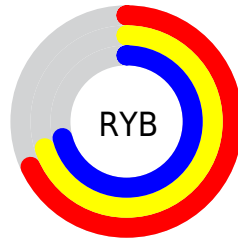
The XYZ color **42.2177, 45.3417, 49.7067** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.9317, 43.1923, 46.6867**, and the grayscale version is **42.7370, 44.9627, 48.9644**.

A 20% lighter version of the original color is **77.7376, 83.2825, 91.3348**, and **19.5760, 21.1082, 23.1212** is the 20% darker color. If you saturate the color by 10%, you get **38.1926, 43.2982, 48.1534**, and if you desaturate by 10%, it is **46.7938, 47.6712, 51.3135**.

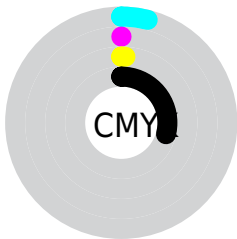
Distribution



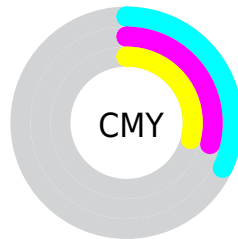
- Red (68%)
- Green (71%)
- Blue (71%)



- Red (68%)
- Yellow (70%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (32%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2177, 45.3417, 49.7067 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 42.2177, 45.3417, 49.7067 by changing the saturation by 10% instead.

■ 42.2177, 45.3417,
49.7067

■ 42.2177, 45.3417,
49.7067

346.3609,
368.1557, 402.2200

■ 29.4636, 31.7267,
34.8109

■ 77.7921, 83.2329,
91.1320

■ 19.5779, 21.1528,
23.2348

101.3432,
108.2779, 118.4985

■ 12.1951, 13.2357,
14.5601

129.2239,
137.9017, 150.8590

■ 6.9498, 7.5911,
8.3680

161.7998,
172.4886, 188.6320

■ 3.4768, 3.8344,
4.2402

199.4360,
212.4230, 232.2361

■ 1.4106, 1.5814,
1.7580

242.4981,

■ 0.2638, 0.3450,

258.0894, 282.0897

0.4001

291.3512,
309.8722, 338.6115

■ 0.0000, 0.0000,
0.0000

■ 42.2177, 45.3417,
49.7067

■ 42.2177, 45.3417,
49.7067

■ 38.1926, 43.2982,
48.1534

■ 46.7938, 47.6712,
51.3135

■ 34.6929, 41.5237,
46.6494

■ 51.9374, 50.2915,
52.9718

■ 31.6969, 40.0083,
45.1944

■ 57.6690, 53.2143,
54.6837

■ 29.1799, 38.7393,
43.7873

■ 64.0072, 56.4492,
56.4502

■ 27.1149, 37.7027,
42.4265

■ 67.3862, 58.1580,
58.1045

■ 25.4725, 36.8834,
41.1106

■ 67.6780, 58.2747,
59.6408

■ 24.2195, 36.2644,
39.8379

■ 67.9748, 58.3935,
61.2040

■ 23.3178, 35.8259,
38.6064

■ 68.2768, 58.5143,
62.7941

■ 22.7217, 35.5443,
37.4139

■ 68.5839, 58.6371,
64.4113

Harmonies

Analogous

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



42.2766, 45.3417, 48.4010



42.2177, 45.3417, 49.7067



42.3927, 45.3417, 50.9435

Triad

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



42.2177, 45.3417, 49.7067



43.6421, 45.3417, 51.4221



43.4372, 45.3417, 47.0454

Complementary

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



42.2177, 45.3417, 49.7067



41.9317, 43.1923, 46.6867

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.



43.8068, 45.3417, 47.8281



42.2177, 45.3417, 49.7067



43.9257, 45.3417, 50.3506

Square

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



42.2177, 45.3417, 49.7067



43.2135, 45.3417, 51.9454



43.9862, 45.3417, 49.0336



42.9785, 45.3417, 46.8800

Rectangle

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



42.2177, 45.3417, 49.7067



42.6193, 45.3417, 51.5572



43.9862, 45.3417, 49.0336



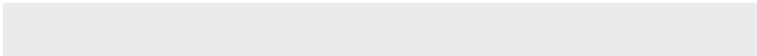
43.5761, 45.3417, 47.2444

Sweetspot

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



42.2190, 45.3436, 49.7077



77.8444, 82.3419, 89.8316



41.8557, 45.2255, 46.5686



16.8343, 17.8018, 19.4192



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



42.2190, 45.3436, 49.7077



74.6819, 80.7338, 88.6779



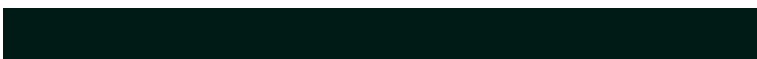
41.8275, 44.3966, 50.0832



9.0215, 9.7790, 10.7498



15.4939, 24.4235, 25.4013



0.5018, 0.7742, 0.8744

Inverse Universe

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



41.9317, 43.1923, 46.6867



74.0113, 75.7118, 81.6257



42.3114, 44.1087, 46.3290



8.9323, 9.1111, 9.8119



13.2808, 6.8299, 1.3730



0.4334, 0.2211, 0.1247

Previews

White Background



This preview shows how the XYZ color 42.2177, 45.3417, 49.7067 looks on a white background.

Color Contrast Check

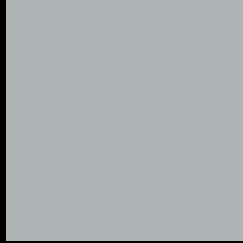
Large Text (above 18pt) WCAG AA × Fail

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 42.2177, 45.3417, 49.7067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

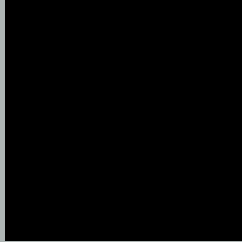
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

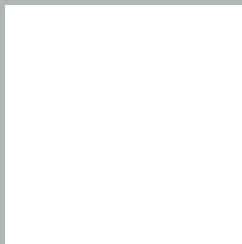
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2177, 45.3417, 49.7067

Background



This preview shows how black text looks on a background with the XYZ color 42.2177, 45.3417, 49.7067.



This preview shows how white text looks on a background with the XYZ color 42.2177, 45.3417,

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

42.2177, 45.3417, 49.7067

Protanopia

43.5855, 45.1627, 49.0679

Deuteranopia

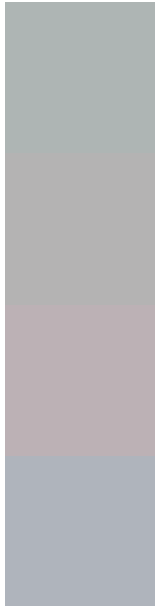
46.2415, 45.3441, 50.0312



Tritanopia

43.6502, 45.3206, 56.8992

Trichromacy



Original Color

42.2177, 45.3417, 49.7067

Protanomaly

43.0792, 45.1982, 49.1014

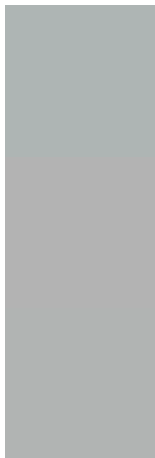
Deuteranomaly

44.8017, 45.4718, 50.1317

Tritanomaly

43.0776, 45.3873, 54.0671

Monochromacy



Original Color

42.2177, 45.3417, 49.7067

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.5894, 45.2443, 49.1361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2177, 45.3417, 49.7067 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, 181, 180)` looks like.

```
.text, #text, p{  
    color:rgb(174, 181, 180)  
}
```

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, 181, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 181, 180) }
```

Border

The CSS property to change the border of an element to XYZ 42.2177, 45.3417, 49.7067 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, 181, 180) }
```


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

```
.border{ border-color:rgb(174, 181, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 181, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 181, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 181, 180);  
box-shadow:4px 4px 4px 4px rgb(174, 181,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2177, 45.3417, 49.7067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 181, 180) }
```

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

```
.background{ background-color: rgb(174,  
181, 180) }
```

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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