

Converting Colors

XYZ(40.6670, 43.9509, 42.4188)

Have a look what the booklet for
XYZ(40.6670, 43.9509, 42.4188)
contains.

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Color

**XYZ(40.6822, 44.1073,
42.4458)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB3A6
RGB	175, 179, 166
RGB Percent	69%, 70%, 65%
CMY	0.3137, 0.2980, 0.3490
CMYK	0.02, 0.00, 0.07, 0.30
HSL	78°, 8%, 68%
HSV	78°, 7%, 70%
XYZ	40.6822, 44.1073, 42.4458
YIQ	176.3220, 1.7890, -4.8910

Conversions

Conversions Part 2

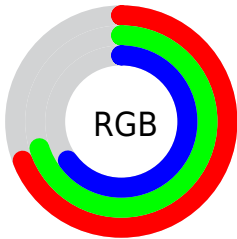
Format	Color
RYB	166, 179, 170
Decimal	11514790
CIELab	72.30, -3.79, 6.14
CIELCh	72, 7.216, 121.696
Yxy	44.1073, 0.3197, 0.3467
Android (android.graphics.Color)	4289704870 (0xFFAFB3A6)
YUV	176.3220, -5.0887, -1.1594
Hunter-Lab	66.4133, -6.8812, 8.5962

Details

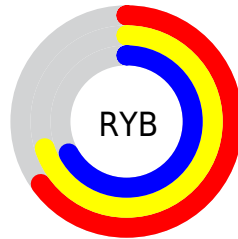
The XYZ color **40.6822, 44.1073, 42.4458** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3522, 39.0744, 48.1708**, and the grayscale version is **41.4610, 43.6201, 47.5023**.

A 20% lighter version of the original color is **75.7145, 81.6260, 80.1714**, and **18.6665, 20.3476, 18.8632** is the 20% darker color. If you saturate the color by 10%, you get **37.9417, 42.8725, 34.3344**, and if you desaturate by 10%, it is **43.7043, 45.4634, 51.7653**.

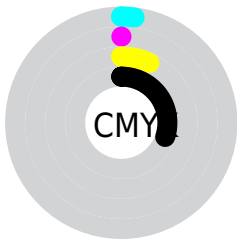
Distribution



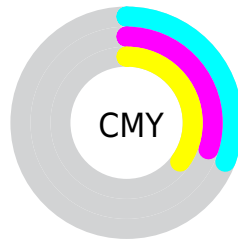
- Red (69%)
- Green (70%)
- Blue (65%)



- Red (65%)
- Yellow (70%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)



- Cyan (31%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6822, 44.1073, 42.4458 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 40.6822, 44.1073, 42.4458 by changing the saturation by 10% instead.

■ 40.6822, 44.1073,
42.4458

■ 40.6822, 44.1073,
42.4458

340.0759,
363.1460, 372.1817

■ 28.2574, 30.7549,
29.1223

■ 75.4790, 81.3792,
80.1512

■ 18.6612, 20.4123,
18.9270

■ 98.5817, 106.0674,
105.3703

■ 11.5283, 12.6951,
11.4413

125.9744,
135.3031, 135.3917

■ 6.4933, 7.2189,
6.2466

158.0226,
169.4705, 170.6339

■ 3.1908, 3.5994,
2.9244

195.0914,
208.9541, 211.5154

■ 1.2554, 1.4521,
1.0562

237.5464,

■ 0.1495, 0.2546,

254.1383, 258.4549

0.0000

285.7527,
305.4074, 311.8708

0.0000, 0.0000,
0.0000

40.6822, 44.1073,
42.4458

40.6822, 44.1073,
42.4458

37.9417, 42.8725,
34.3344

43.7043, 45.4634,
51.7653

35.4690, 41.7492,
27.3787

47.0136, 46.9389,
62.3367

33.2549, 40.7350,
21.5269

50.6205, 48.5393,
74.2049

31.2878, 39.8252,
16.7220

54.5334, 50.2682,
87.4121

29.5553, 39.0149,
12.9017

58.6792, 52.0964,
101.5706

■ 28.0438, 38.2984,
9.9976

■ 60.2028, 52.8818,
101.6419

■ 26.7379, 37.6695,
7.9320

■ 61.7801, 53.6950,
101.7157

■ 25.6198, 37.1211,
6.6148

■ 63.4119, 54.5362,
101.7921

■ 24.6636, 36.6427,
5.9135

■ 65.0986, 55.4057,
101.8710

Harmonies

Analogous

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



41.8521, 44.1073, 41.5173



40.6822, 44.1073, 42.4458



39.8580, 44.1073, 44.8594

Triad

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



40.6822, 44.1073, 42.4458



40.8021, 44.1073, 54.2927



44.3517, 44.1073, 47.8235

Complementary

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



40.6822, 44.1073, 42.4458



38.3522, 39.0744, 48.1708

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.



44.0574, 44.1073, 51.3368



40.6822, 44.1073, 42.4458



41.9933, 44.1073, 55.1803

Square

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



40.6822, 44.1073, 42.4458



39.9263, 44.1073, 51.7037



43.1881, 44.1073, 54.0736



43.9845, 44.1073, 44.5257

Rectangle

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



40.6822, 44.1073, 42.4458



39.6070, 44.1073, 47.0457



43.1881, 44.1073, 54.0736



44.3268, 44.1073, 49.0185

Sweetspot

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



40.6834, 44.1092, 42.4468



75.6252, 80.2360, 84.4706



39.8309, 41.0503, 41.9013



16.7677, 17.7821, 18.7543



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.



40.6834, 44.1092, 42.4468



71.8943, 78.5602, 73.1113



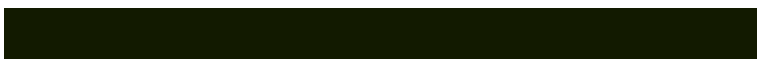
39.2809, 43.3862, 42.3811



8.9374, 9.7728, 9.0678



17.3224, 25.8401, 4.0747



0.6014, 0.8421, 0.1308

Inverse Universe

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



38.3522, 39.0744, 48.1708



66.7006, 67.3430, 85.8642



39.7695, 39.8050, 48.2372



8.2799, 8.3528, 10.6822



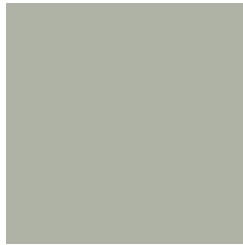
6.9270, 2.9068, 30.3330



0.2792, 0.1230, 0.9573

Previews

White Background



This preview shows how the XYZ color 40.6822, 44.1073, 42.4458 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 40.6822, 44.1073, 42.4458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

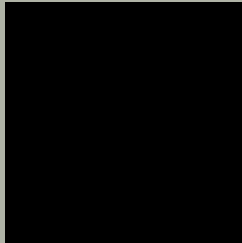
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

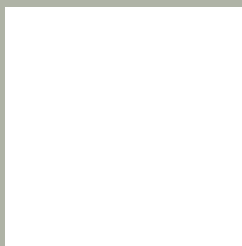
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6822, 44.1073, 42.4458

Background



This preview shows how black text looks on a background with the XYZ color 40.6822, 44.1073, 42.4458.



This preview shows how white text looks on a background with the XYZ color 40.6822, 44.1073,

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

40.6822, 44.1073, 42.4458

Protanopia

42.0421, 44.2282, 41.9183

Deuteranopia

44.9195, 43.9587, 43.1632



Tritanopia

43.3010, 44.3085, 54.4143

Trichromacy



Original Color

40.6822, 44.1073, 42.4458

Protanomaly

41.5343, 44.2607, 41.9514

Deuteranomaly

43.3463, 44.0093, 42.7693

Tritanomaly

42.4227, 44.2455, 50.0204

Monochromacy



Original Color

40.6822, 44.1073, 42.4458

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.0730, 43.6529, 45.2908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6822, 44.1073, 42.4458 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(175, 179, 166)` looks like.

```
.text, #text, p{  
    color:rgb(175, 179, 166)  
}
```

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(175, 179, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 179, 166) }
```

Border

The CSS property to change the border of an element to XYZ 40.6822, 44.1073, 42.4458 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(175, 179, 166) }
```


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

```
.border{ border-color:rgb(175, 179, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 179, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 179, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 179, 166);  
box-shadow:4px 4px 4px 4px rgb(175, 179,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6822, 44.1073, 42.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 179, 166) }
```

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

```
.background{ background-color: rgb(175,  
179, 166) }
```

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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