

Converting Colors

XYZ(40.9630, 45.7358, 33.9148)

Have a look what the booklet for
XYZ(40.9630, 45.7358, 33.9148)
contains.

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Color

**XYZ(40.9442, 45.6456,
33.8466)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B792
RGB	180, 183, 146
RGB Percent	71%, 72%, 57%
CMY	0.2941, 0.2823, 0.4274
CMYK	0.02, 0.00, 0.20, 0.28
HSL	65°, 20%, 65%
HSV	65°, 20%, 72%
XYZ	40.9442, 45.6456, 33.8466
YIQ	177.8850, 10.0890, -12.1430

Conversions

Conversions Part 2

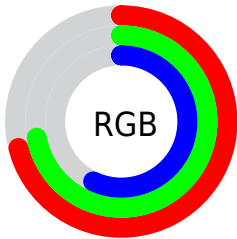
Format	Color
R _Y B	146, 183, 149
Decimal	11843474
CIE Lab	73.31, -7.36, 18.51
CIE LCh	73, 19.918, 111.681
Yxy	45.6456, 0.3400, 0.3790
Android (android.graphics.Color)	4290033554 (0xFFB4B792)
YUV	177.8850, -15.7193, 1.8549
Hunter-Lab	67.5615, -10.0566, 17.5903

Details

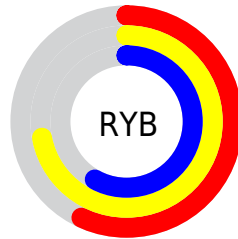
The XYZ color **40.9442, 45.6456, 33.8466** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.2223, 30.3674, 49.0182**, and the grayscale version is **42.3339, 44.5385, 48.5025**.

A 20% lighter version of the original color is **75.8839, 83.7360, 66.8067**, and **18.8006, 21.3035, 13.9476** is the 20% darker color. If you saturate the color by 10%, you get **39.2895, 44.9455, 26.9236**, and if you desaturate by 10%, it is **42.8329, 46.4428, 41.9719**.

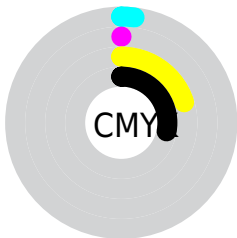
Distribution



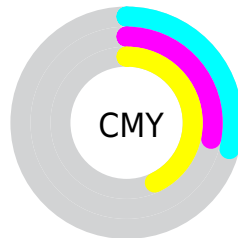
- Red (71%)
- Green (72%)
- Blue (57%)



- Red (57%)
- Yellow (72%)
- Blue (58%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (28%)





- Cyan (29%)
- Magenta (28%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9442, 45.6456, 33.8466 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 40.9442, 45.6456, 33.8466 by changing the saturation by 10% instead.


 40.9442, 45.6456,
33.8466


 40.9442, 45.6456,
33.8466


341.1539,
369.3820, 334.1958

 28.4630, 31.9662,
22.4994


 75.8744, 83.6884,
66.8262

 18.8172, 21.3357,
14.0225


 99.0541, 108.8206,
89.2957

 11.6415, 13.3696,
7.9974


126.5307,
138.5392, 116.3096

 6.5705, 7.6836,
4.0055

158.6695,
173.2285, 148.2866

 3.2389, 3.8931,
1.6284

195.8358,
213.2731, 185.6452

 1.2813, 1.6140,
0.3109

238.3951,

 0.1692, 0.3670,

259.0573, 228.8039

0.0000

286.7127,
310.9655, 278.1812

■ 0.0000, 0.0000,
0.0000

■ 40.9442, 45.6456,
33.8466

■ 40.9442, 45.6456,
33.8466

■ 39.2895, 44.9455,
26.9236

■ 42.8329, 46.4428,
41.9719

■ 37.8545, 44.3322,
21.1432

■ 44.9621, 47.3351,
51.3499

■ 36.6285, 43.8029,
16.4445

■ 47.3426, 48.3283,
62.0316

■ 35.5989, 43.3526,
12.7602

■ 49.9834, 49.4261,
74.0641

■ 34.7512, 42.9755,
10.0153

■ 52.8929, 50.6318,
87.4924

■ 34.0694, 42.6651,
8.1246

■ 55.9496, 51.8968,
101.6760

■ 33.5342, 42.4138,
6.9872

■ 56.3198, 52.0877,
101.6933

■ 33.1144, 42.2099,
6.4020

■ 56.6938, 52.2805,
101.7108

■ 57.0717, 52.4753,
101.7285

Harmonies

Analogous

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



44.3664, 45.6456, 32.9555



40.9442, 45.6456, 33.8466



38.3130, 45.6456, 38.6757

Triad

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



40.9442, 45.6456, 33.8466



39.3419, 45.6456, 66.4189



50.3949, 45.6456, 52.5432

Complementary

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



40.9442, 45.6456, 33.8466



31.2223, 30.3674, 49.0182

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.



48.8855, 45.6456, 62.6430



40.9442, 45.6456, 33.8466



42.4177, 45.6456, 71.3298

Square

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



40.9442, 45.6456, 33.8466



37.4231, 45.6456, 57.1711



45.9205, 45.6456, 69.8622



49.9481, 45.6456, 42.9104

Rectangle

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



40.9442, 45.6456, 33.8466



37.3008, 45.6456, 43.8817



45.9205, 45.6456, 69.8622



50.0967, 45.6456, 56.0118

Sweetspot

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



40.9454, 45.6476, 33.8476



78.2266, 83.8107, 81.8103



35.3815, 33.4703, 31.7904



17.2241, 18.4887, 17.8331



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.9454, 45.6476, 33.8476



72.0406, 81.2046, 55.1822



37.0305, 43.6294, 33.6644



9.6763, 10.4653, 9.6169



23.1273, 29.4589, 4.4672



0.8367, 1.0495, 0.1585

Inverse Universe

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



31.2223, 30.3674, 49.0182



51.6491, 49.1565, 87.0017



34.7568, 32.1895, 49.1836



8.5869, 8.7534, 11.3164



6.1233, 2.4678, 31.4067



0.2387, 0.0988, 1.1082

Previews

White Background



This preview shows how the XYZ color 40.9442, 45.6456, 33.8466 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 40.9442, 45.6456, 33.8466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

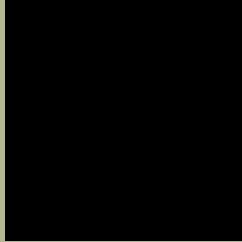
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

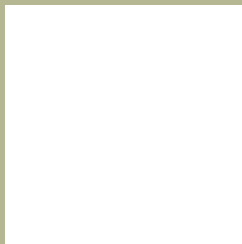
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9442, 45.6456, 33.8466

Background



This preview shows how black text looks on a background with the XYZ color 40.9442, 45.6456, 33.8466.



This preview shows how white text looks on a background with the XYZ color 40.9442, 45.6456,

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

40.9442, 45.6456, 33.8466

Protanopia

42.8412, 45.7325, 32.9548

Deuteranopia

46.3013, 45.4352, 34.3465



Tritanopia

45.3758, 45.6450, 55.7090

Trichromacy



Original Color

40.9442, 45.6456, 33.8466

Protanomaly

42.1282, 45.6569, 33.3803

Deuteranomaly

44.2773, 45.5566, 34.0634

Tritanomaly

43.6251, 45.5257, 47.0455

Monochromacy



Original Color

40.9442, 45.6456, 33.8466

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.7946, 44.9794, 42.5555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9442, 45.6456, 33.8466 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, 183, 146)` looks like.

```
.text, #text, p{  
    color:rgb(180, 183, 146)  
}
```

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, 183, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 183, 146) }
```

Border

The CSS property to change the border of an element to XYZ 40.9442, 45.6456, 33.8466 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, 183, 146) }
```


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

```
.border{ border-color:rgb(180, 183, 146) }
```

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

Here you see how a box with a 4 pixel rgb(180, 183, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 183, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 183, 146);  
box-shadow:4px 4px 4px 4px rgb(180, 183,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9442, 45.6456, 33.8466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 183, 146) }
```

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

```
.background{ background-color: rgb(180,  
183, 146) }
```

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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