

Converting Colors

XYZ(40.0558, 45.3965, 32.7205)

Have a look what the booklet for
XYZ(40.0558, 45.3965, 32.7205)
contains.

XYZ(40.2299, 45.6113, 32.6701)	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(40.2299, 45.6113,
32.6701)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B88F
RGB	177, 184, 143
RGB Percent	69%, 72%, 56%
CMY	0.3059, 0.2784, 0.4392
CMYK	0.04, 0.00, 0.22, 0.28
HSL	70°, 22%, 64%
HSV	70°, 22%, 72%
XYZ	40.2299, 45.6113, 32.6701
YIQ	177.2330, 8.9890, -14.2350

Conversions

Conversions Part 2

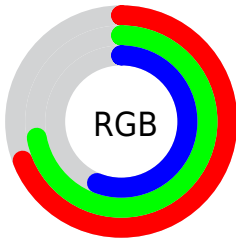
Format	Color
RYB	143, 184, 150
Decimal	11647119
CIELab	73.29, -9.47, 20.06
CIELCh	73, 22.183, 115.275
Yxy	45.6113, 0.3395, 0.3849
Android (android.graphics.Color)	4289837199 (0xFFB1B88F)
YUV	177.2330, -16.8769, -0.2043
Hunter-Lab	67.5361, -11.8594, 18.5942

Details

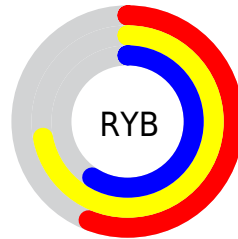
The XYZ color **40.2299, 45.6113, 32.6701** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.0536, 29.5909, 49.4249**, and the grayscale version is **41.9961, 44.1832, 48.1155**.

A 20% lighter version of the original color is **74.8424, 83.6750, 65.0296**, and **18.3602, 21.2904, 13.2670** is the 20% darker color. If you saturate the color by 10%, you get **38.2415, 44.7357, 25.8880**, and if you desaturate by 10%, it is **42.4659, 46.5909, 40.6592**.

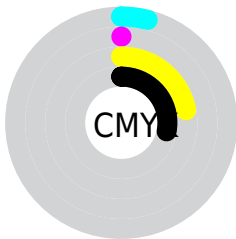
Distribution



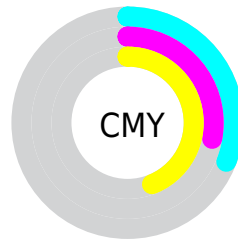
- Red (69%)
- Green (72%)
- Blue (56%)



- Red (56%)
- Yellow (72%)
- Blue (59%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2299, 45.6113, 32.6701 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 40.2299, 45.6113, 32.6701 by changing the saturation by 10% instead.

■ 40.2299, 45.6113,
32.6701

■ 40.2299, 45.6113,
32.6701

338.2094,
369.2437, 328.7469

■ 27.9028, 31.9392,
21.6048

■ 74.7956, 83.6370,
64.9702

■ 18.3925, 21.3151,
13.3713

■ 97.7649, 108.7593,
87.0421

■ 11.3336, 13.3545,
7.5510

125.0124,
138.4672, 113.6199

■ 6.3606, 7.6731,
3.7254

156.9034,
173.1451, 145.1222

■ 3.1083, 3.8865,
1.4759

193.8032,
213.1773, 181.9675

■ 1.2113, 1.6103,
0.1999

236.0773,

■ 0.1153, 0.3645,

258.9482, 224.5743

0.0000

284.0909,
310.8422, 273.3613

■ 0.0000, 0.0000,
0.0000

■ 40.2299, 45.6113,
32.6701

■ 40.2299, 45.6113,
32.6701

■ 38.2415, 44.7357,
25.8880

■ 42.4659, 46.5909,
40.6592

■ 36.4858, 43.9536,
20.2513

■ 44.9563, 47.6727,
49.9069

■ 34.9519, 43.2620,
15.6974

■ 47.7123, 48.8626,
60.4656

■ 33.6264, 42.6557,
12.1566

■ 50.7431, 50.1643,
72.3838

■ 32.4944, 42.1286,
9.5509

■ 54.0575, 51.5815,
85.7073

■ 31.5388, 41.6740,
7.7912

■ 57.6640, 53.1175,
100.4801

■ 30.7393, 41.2836,
6.7709

■ 58.7454, 53.6454,
101.8661

■ 30.1979, 41.0138,
6.3249

■ 59.5881, 54.0798,
101.9056

■ 60.4481, 54.5232,
101.9458

Harmonies

Analogous

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



43.9726, 45.6113, 31.1937



40.2299, 45.6113, 32.6701



37.4787, 45.6113, 38.4105

Triad

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



40.2299, 45.6113, 32.6701



39.2209, 45.6113, 69.4787



51.2598, 45.6113, 51.4525

Complementary

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



40.2299, 45.6113, 32.6701



31.0536, 29.5909, 49.4249

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.



49.8093, 45.6113, 62.9228



40.2299, 45.6113, 32.6701



42.7376, 45.6113, 74.2765

Square

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



40.2299, 45.6113, 32.6701



36.9211, 45.6113, 59.4040



46.6320, 45.6113, 71.7144



50.4898, 45.6113, 41.0496

Rectangle

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



40.2299, 45.6113, 32.6701



36.4992, 45.6113, 44.4037



46.6320, 45.6113, 71.7144



51.0134, 45.6113, 55.3219

Sweetspot

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



40.2311, 45.6133, 32.6711



79.2501, 85.4431, 82.0714



35.6064, 33.9343, 30.6606



17.0273, 18.3948, 17.4799



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.



40.2311, 45.6133, 32.6711



71.0077, 81.8377, 52.6014



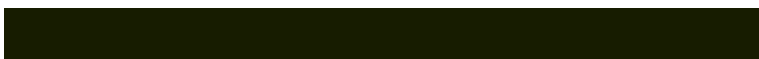
35.9397, 43.4010, 32.4702



9.5956, 10.4237, 9.6131



20.8632, 28.2917, 4.3612



0.7757, 1.0181, 0.1556

Inverse Universe

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



31.0536, 29.5909, 49.4249



51.2684, 47.3697, 88.6457



35.1254, 31.6899, 49.6154



8.6603, 8.7912, 11.3199



6.4034, 2.6123, 31.4198



0.2702, 0.1150, 1.1097

Previews

White Background



This preview shows how the XYZ color 40.2299, 45.6113, 32.6701 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 40.2299, 45.6113, 32.6701 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

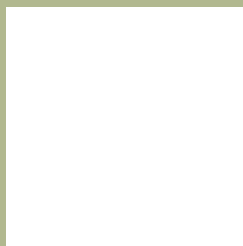
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2299, 45.6113, 32.6701

Background



This preview shows how black text looks on a background with the XYZ color 40.2299, 45.6113, 32.6701.



This preview shows how white text looks on a background with the XYZ color 40.2299, 45.6113,

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

40.2299, 45.6113, 32.6701

Protanopia

42.8672, 45.7721, 31.7749

Deuteranopia

46.3489, 45.4868, 33.1250



Tritanopia

44.8933, 45.3962, 55.6864

Trichromacy



Original Color

40.2299, 45.6113, 32.6701

Protanomaly

41.8999, 45.5655, 32.1779

Deuteranomaly

43.7821, 45.3282, 32.8272

Tritanomaly

43.0173, 45.5223, 46.5638

Monochromacy



Original Color

40.2299, 45.6113, 32.6701

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.2443, 44.7062, 42.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2299, 45.6113, 32.6701 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(177, 184, 143)` looks like.

```
.text, #text, p{  
    color:rgb(177, 184, 143)  
}
```

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(177, 184, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 184, 143) }
```

Border

The CSS property to change the border of an element to XYZ 40.2299, 45.6113, 32.6701 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(177, 184, 143) }
```


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

```
.border{ border-color:rgb(177, 184, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 184, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 184, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 184, 143);  
box-shadow:4px 4px 4px 4px rgb(177, 184,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2299, 45.6113, 32.6701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 184, 143) }
```

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

```
.background{ background-color: rgb(177,  
184, 143) }
```

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