

Converting Colors

XYZ(36.7959, 40.7494, 14.4829)

Have a look what the booklet for
XYZ(36.7959, 40.7494, 14.4829)
contains.

XYZ(36.6419, 40.6000, 14.4997)	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(36.6419, 40.6000,
14.4997)**

Conversions

Conversions Part 1

Format	Color
Hex	BAAC55
RGB	186, 172, 85
RGB Percent	73%, 67%, 33%
CMY	0.2706, 0.3255, 0.6667
CMYK	0.00, 0.08, 0.54, 0.27
HSL	52°, 42%, 53%
HSV	52°, 54%, 73%
XYZ	36.6419, 40.6000, 14.4997
YIQ	166.2680, 36.2710, -24.0890

Conversions

Conversions Part 2

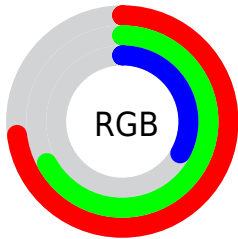
Format	Color
RYB	101, 186, 85
Decimal	12233813
CIELab	69.89, -6.34, 45.96
CIElCh	70, 46.397, 97.848
Yxy	40.6000, 0.3994, 0.4425
Android (android.graphics.Color)	4290423893 (0xFFBAAC55)
YUV	166.2680, -40.0651, 17.3050
Hunter-Lab	63.7181, -8.8581, 31.1107

Details

The XYZ color **36.6419, 40.6000, 14.4997** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.0710, 14.3997, 48.3339**, and the grayscale version is **36.5517, 38.4552, 41.8777**.

A 20% lighter version of the original color is **69.2927, 75.9774, 34.6799**, and **16.2111, 18.2943, 4.1901** is the 20% darker color. If you saturate the color by 10%, you get **35.5125, 39.3725, 10.9446**, and if you desaturate by 10%, it is **37.9769, 41.9280, 19.0824**.

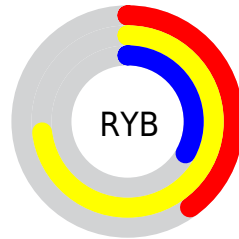
Distribution



Red (73%)

Green (67%)

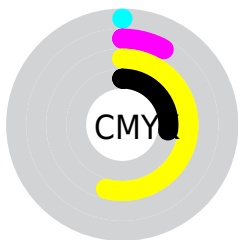
Blue (33%)



Red (40%)

Yellow (73%)

Blue (33%)

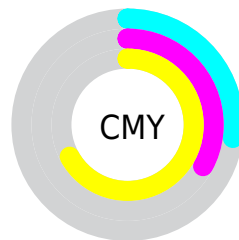


Cyan (0%)

Magenta (8%)

Yellow (54%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6419, 40.6000, 14.4997 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 36.6419, 40.6000, 14.4997 by changing the saturation by 10% instead.


 36.6419, 40.6000,
14.4997


 36.6419, 40.6000,
14.4997


323.1401,
348.6460, 231.8532

 25.1028, 28.0067,
8.3263


 69.3391, 76.0763,
34.7029

 16.2828, 18.3307,
4.2137


 91.2279, 99.7281,
49.5698


 9.8166, 11.1877,
1.7433


 117.2972,
127.8348, 68.1716

 5.3388, 6.1932,
0.3902

 147.9125,
160.7808, 90.9268

 2.4842, 2.9629,
0.0000

 183.4390,
198.9505, 118.2541

 0.8873, 1.1124,
0.0000

224.2423,

 0.0000, 0.0000,

242.7284, 150.5719

0.0000

270.6875,
292.4988, 188.2987

■ 36.6419, 40.6000,
14.4997

■ 36.6419, 40.6000,
14.4997

■ 35.5125, 39.3725,
10.9446

■ 37.9769, 41.9280,
19.0824

■ 34.5704, 38.2334,
8.3327

■ 39.5287, 43.3566,
24.7635

■ 33.7983, 37.1775,
6.5702

■ 41.3108, 44.8926,
31.6101

■ 33.1745, 36.1959,
5.5427

■ 43.3350, 46.5410,
39.6836

■ 32.8597, 35.6593,
5.1510

■ 45.6120, 48.3060,
49.0407

■ 48.1521, 50.1920,
59.7349

■ 50.9648, 52.2027,
71.8163

■ 54.0593, 54.3419,
85.3328

■ 57.4442, 56.6131,
100.3298

Harmonies

Analogous

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



44.3220, 40.6000, 15.8109



36.6419, 40.6000, 14.4997



30.3546, 40.6000, 18.8451

Triad

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



36.6419, 40.6000, 14.4997



28.2295, 40.6000, 74.9136



53.6456, 40.6000, 61.7968

Complementary

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



36.6419, 40.6000, 14.4997



17.0710, 14.3997, 48.3339

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.



48.1924, 40.6000, 85.8008



36.6419, 40.6000, 14.4997



33.3732, 40.6000, 94.9342

Square

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



36.6419, 40.6000, 14.4997



25.9277, 40.6000, 50.1257



40.6041, 40.6000, 99.4615



54.8187, 40.6000, 38.7726

Rectangle

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



36.6419, 40.6000, 14.4997



27.5635, 40.6000, 25.5772



40.6041, 40.6000, 99.4615



52.2210, 40.6000, 70.2087

Sweetspot

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



36.6429, 40.6019, 14.5005



77.7910, 83.7552, 68.8729



25.8059, 17.8595, 14.1823



16.9598, 18.3064, 14.4801



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.6429, 40.6019, 14.5005



64.0416, 70.9870, 18.8766



31.8964, 42.3195, 15.0822



9.6412, 10.2854, 9.5840



22.1479, 24.0722, 3.4791



0.8103, 0.9076, 0.1325

Inverse Universe

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



17.0710, 14.3997, 48.3339



25.0084, 18.7807, 86.5084



19.9062, 14.0608, 48.1190



8.6188, 8.9149, 11.3459



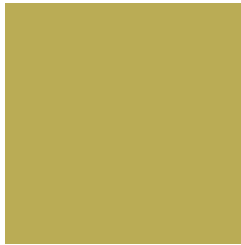
6.2412, 2.9420, 31.4920



0.2524, 0.1685, 1.1210

Previews

White Background



This preview shows how the XYZ color 36.6419, 40.6000, 14.4997 looks on a white background.

Color Contrast Check

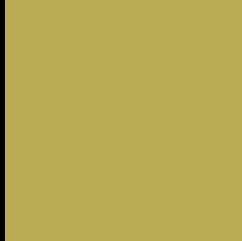
Large Text (above 18pt) WCAG AA × Fail

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 36.6419, 40.6000, 14.4997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

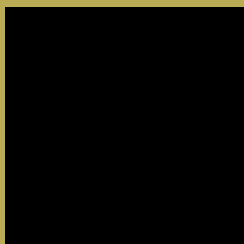
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6419, 40.6000, 14.4997

Background



This preview shows how black text looks on a background with the XYZ color 36.6419, 40.6000, 14.4997.



This preview shows how white text looks on a background with the XYZ color 36.6419, 40.6000,

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

36.6419, 40.6000, 14.4997

Protanopia

37.1889, 40.6005, 14.4709

Deuteranopia

41.3958, 40.5841, 14.6686



Tritanopia

43.1639, 40.5379, 46.1071

Trichromacy



Original Color

36.6419, 40.6000, 14.4997

Protanomaly

36.9416, 40.4731, 14.4594

Deuteranomaly

39.4033, 40.3618, 14.5179

Tritanomaly

40.2569, 40.4319, 31.2736

Monochromacy



Original Color

36.6419, 40.6000, 14.4997

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.7516, 38.6956, 29.2516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6419, 40.6000, 14.4997 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(186, 172, 85)` looks like.

```
.text, #text, p{  
    color:rgb(186, 172, 85)  
}
```

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(186, 172, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 172, 85) }
```

Border

The CSS property to change the border of an element to XYZ 36.6419, 40.6000, 14.4997 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(186, 172, 85) }
```


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

```
.border{ border-color:rgb(186, 172, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 172, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 172, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 172, 85);  
box-shadow:4px 4px 4px 4px rgb(186, 172,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6419, 40.6000, 14.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 172, 85) }
```

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

```
.background{ background-color: rgb(186,  
172, 85) }
```

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