

Converting Colors

XYZ(37.6303, 40.5048, 16.4245)

Have a look what the booklet for
XYZ(37.6303, 40.5048, 16.4245)
contains.

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Color

**XYZ(37.6303, 40.5048,
16.4245)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAA5E
RGB	190, 170, 94
RGB Percent	75%, 67%, 37%
CMY	0.2549, 0.3333, 0.6314
CMYK	0.00, 0.11, 0.51, 0.25
HSL	48°, 42%, 56%
HSV	48°, 51%, 75%
XYZ	37.6303, 40.5048, 16.4245
YIQ	167.3160, 36.3160, -19.3960

Conversions

Conversions Part 2

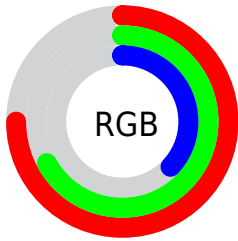
Format	Color
RYB	119, 190, 94
Decimal	12495454
CIELab	69.83, -2.80, 41.51
CIELCh	70, 41.608, 93.862
Yxy	40.5048, 0.3980, 0.4284
Android (android.graphics.Color)	4290685534 (0xFFBEAA5E)
YUV	167.3160, -36.1448, 19.8939
Hunter-Lab	63.6434, -5.8346, 29.2493

Details

The XYZ color **37.6303, 40.5048, 16.4245** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **19.9274, 18.1313, 51.1644**, and the grayscale version is **37.0441, 38.9733, 42.4419**.

A 20% lighter version of the original color is **70.8249, 75.8822, 38.1080**, and **16.7836, 18.2147, 5.1138** is the 20% darker color. If you saturate the color by 10%, you get **36.1501, 38.7450, 12.2302**, and if you desaturate by 10%, it is **39.3447, 42.3970, 21.7331**.

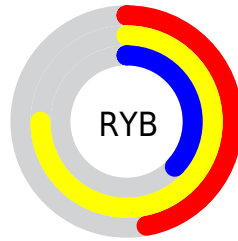
Distribution



Red (75%)

Green (67%)

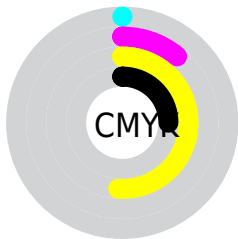
Blue (37%)



Red (47%)

Yellow (75%)

Blue (37%)

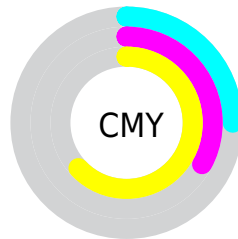


Cyan (0%)

Magenta (11%)

Yellow (51%)

Black (25%)



Cyan (25%)

Magenta (33%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6303, 40.5048, 16.4245 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 37.6303, 40.5048, 16.4245 by changing the saturation by 10% instead.

■ 37.6303, 40.5048,
16.4245

■ 37.6303, 40.5048,
16.4245

327.3397,
348.2467, 243.7644

■ 25.8718, 27.9323,
9.6674

■ 70.8487, 75.9316,
38.1106

■ 16.8599, 18.2747,
5.0763

■ 93.0393, 99.5547,
53.8767

■ 10.2294, 11.1474,
2.2326

■ 119.4379,
127.6302, 73.4829

■ 5.6147, 6.1660,
0.6931

■ 150.4100,
160.5424, 97.3478

■ 2.6507, 2.9463,
0.0000

186.3209,
198.6758, 125.8898

■ 0.9718, 1.1038,
0.0000

227.5359,

■ 0.0000, 0.0000,

242.4147, 159.5276

0.0000

274.4204,
292.1435, 198.6796

■ 37.6303, 40.5048,
16.4245

■ 37.6303, 40.5048,
16.4245

■ 36.1501, 38.7450,
12.2302

■ 39.3447, 42.3970,
21.7331

■ 34.8853, 37.1052,
9.0650

■ 41.3045, 44.4220,
28.2278

■ 33.8187, 35.5799,
6.8356

■ 43.5240, 46.5871,
35.9772

■ 32.9290, 34.1601,
5.4304

■ 46.0150, 48.8975,
45.0440

■ 32.2096, 32.8962,
4.6520

■ 48.7890, 51.3581,
55.4867

■ 51.8565, 53.9732,
67.3603

■ 55.2275, 56.7473,
80.7168

■ 58.9116, 59.6844,
95.6053

■ 61.2653, 62.1274,
103.3705

Harmonies

Analogous

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



44.5093, 40.5048, 18.4263



37.6303, 40.5048, 16.4245



31.7048, 40.5048, 19.8624

Triad

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



37.6303, 40.5048, 16.4245



28.6881, 40.5048, 68.2487



51.3771, 40.5048, 62.6054

Complementary

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



37.6303, 40.5048, 16.4245



19.9274, 18.1313, 51.1644

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.



46.1995, 40.5048, 82.7687



37.6303, 40.5048, 16.4245



33.0550, 40.5048, 86.6399

Square

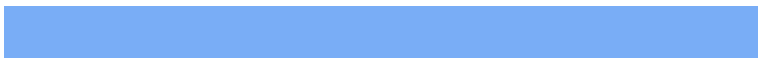
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.6303, 40.5048, 16.4245



26.9382, 40.5048, 46.6563



39.3801, 40.5048, 92.6068



52.9677, 40.5048, 41.6443

Rectangle

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



37.6303, 40.5048, 16.4245



28.9320, 40.5048, 25.6005



39.3801, 40.5048, 92.6068



49.9709, 40.5048, 69.8810

Sweetspot

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



37.6313, 40.5067, 16.4253



81.1941, 86.6014, 73.5709



28.3211, 20.1861, 18.5634



17.6197, 18.8216, 15.3943



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.6313, 40.5067, 16.4253



65.1506, 69.7638, 21.2112



35.4972, 45.4004, 17.4824



10.1490, 10.7739, 10.1213



21.4755, 21.9898, 3.1126



0.8844, 0.9478, 0.1363

Inverse Universe

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



19.9274, 18.1313, 51.1644



29.4208, 24.6595, 91.4882



21.2105, 15.8029, 50.6473



9.1732, 9.5388, 12.0299



6.7221, 3.5558, 32.7250



0.3113, 0.2352, 1.2978

Previews

White Background



This preview shows how the XYZ color 37.6303, 40.5048, 16.4245 looks on a white background.

Color Contrast Check

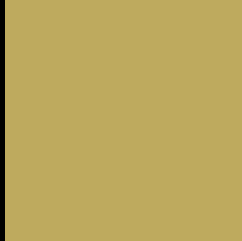
Large Text (above 18pt) WCAG AA × Fail

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 37.6303, 40.5048, 16.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

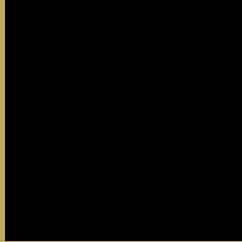
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6303, 40.5048, 16.4245

Background



This preview shows how black text looks on a background with the XYZ color 37.6303, 40.5048, 16.4245.



This preview shows how white text looks on a background with the XYZ color 37.6303, 40.5048,

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

37.6303, 40.5048, 16.4245

Protanopia

37.3223, 40.6253, 16.4641

Deuteranopia

41.2209, 40.4488, 16.7012



Tritanopia

43.5764, 40.5126, 45.0582

Trichromacy



Original Color

37.6303, 40.5048, 16.4245

Protanomaly

37.5696, 40.7528, 16.4756

Deuteranomaly

39.7892, 40.5162, 16.5498

Tritanomaly

40.8152, 40.1666, 31.9873

Monochromacy



Original Color

37.6303, 40.5048, 16.4245

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4155, 39.0127, 30.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6303, 40.5048, 16.4245 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(190, 170, 94)` looks like.

```
.text, #text, p{  
    color:rgb(190, 170, 94)  
}
```

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(190, 170, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 94) }
```

Border

The CSS property to change the border of an element to XYZ 37.6303, 40.5048, 16.4245 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(190, 170, 94) }
```


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

```
.border{ border-color:rgb(190, 170, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 170, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 94);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6303, 40.5048, 16.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 170, 94) }
```

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

```
.background{ background-color: rgb(190,  
170, 94) }
```

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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