

Converting Colors

XYZ(36.6613, 39.5173, 18.3681)

Have a look what the booklet for
XYZ(36.6613, 39.5173, 18.3681)
contains.

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Color

**XYZ(36.6506, 39.4037,
18.2443)**

Conversions

Conversions Part 1

Format	Color
Hex	BAA866
RGB	186, 168, 102
RGB Percent	73%, 66%, 40%
CMY	0.2706, 0.3412, 0.6000
CMYK	0.00, 0.10, 0.45, 0.27
HSL	47°, 38%, 56%
HSV	47°, 45%, 73%
XYZ	36.6506, 39.4037, 18.2443
YIQ	165.8580, 31.9140, -16.7100

Conversions

Conversions Part 2

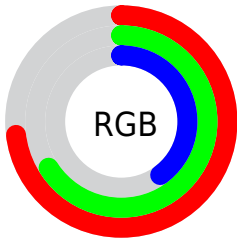
Format	Color
RYB	125, 186, 102
Decimal	12232806
CIELab	69.04, -2.63, 36.37
CIElCh	69, 36.460, 94.142
Yxy	39.4037, 0.3887, 0.4179
Android (android.graphics.Color)	4290422886 (0xFFBAA866)
YUV	165.8580, -31.4820, 17.6645
Hunter-Lab	62.7724, -5.6317, 26.7085

Details

The XYZ color **36.6506, 39.4037, 18.2443** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.0586, 19.8021, 49.1665**, and the grayscale version is **36.3142, 38.2054, 41.6057**.

A 20% lighter version of the original color is **69.1826, 74.1631, 41.2405**, and **16.2481, 17.5731, 5.9037** is the 20% darker color. If you saturate the color by 10%, you get **35.1056, 37.6280, 13.6778**, and if you desaturate by 10%, it is **38.4270, 41.3109, 23.9098**.

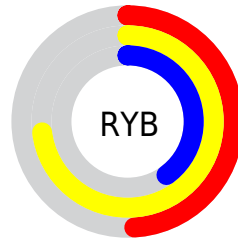
Distribution



Red (73%)

Green (66%)

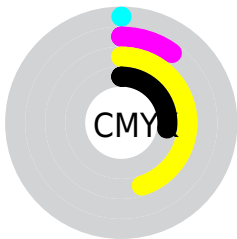
Blue (40%)



Red (49%)

Yellow (73%)

Blue (40%)

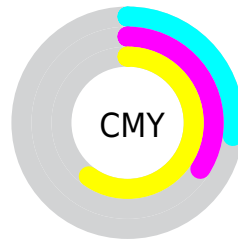


Cyan (0%)

Magenta (10%)

Yellow (45%)

Black (27%)



Cyan (27%)


Magenta (34%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6506, 39.4037, 18.2443 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 36.6506, 39.4037, 18.2443 by changing the saturation by 10% instead.


 36.6506, 39.4037,
18.2443


 36.6506, 39.4037,
18.2443


323.1772,
343.6038, 254.5267


 25.1095, 27.0739,
10.9543


 69.3524, 74.2546,
41.2727


 16.2878, 17.6288,
5.9223


 91.2438, 97.5446,
57.8482

 9.8202, 10.6838,
2.7299


 117.3161,
125.2567, 78.3559

 5.3413, 5.8546,
0.9584

 147.9345,
157.7754, 103.2143

 2.4856, 2.7569,
0.0000

183.4645,
195.4851, 132.8421

 0.8880, 1.0062,
0.0000

224.2714,

 0.0000, 0.0000,

238.7701, 167.6577

0.0000

270.7205,
288.0149, 208.0797

■ 36.6506, 39.4037,
18.2443

■ 36.6506, 39.4037,
18.2443

■ 35.1056, 37.6280,
13.6778

■ 38.4270, 41.3109,
23.9098

■ 33.7750, 35.9724,
10.1342

■ 40.4449, 43.3496,
30.7391

■ 32.6438, 34.4320,
7.5312


■ 42.7171, 45.5268,
38.7944


■ 31.6935, 32.9991,
5.7728


■ 45.2547, 47.8471,
48.1332


■ 30.9017, 31.6643,
4.7416

■ 48.0681, 50.3151,
58.8090

 30.5522, 31.0441,
4.3818

 51.1669, 52.9348,
70.8725

 54.5606, 55.7104,
84.3717

 58.2580, 58.6456,
99.3521

 59.8609, 60.7815,
103.1847

Harmonies

Analogous

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



42.5406, 39.4037, 20.0666



36.6506, 39.4037, 18.2443



31.5234, 39.4037, 21.4921

Triad

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



36.6506, 39.4037, 18.2443



28.9432, 39.4037, 63.4908



48.4356, 39.4037, 58.4316

Complementary

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



36.6506, 39.4037, 18.2443



21.0586, 19.8021, 49.1665

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.



44.0809, 39.4037, 75.2192



36.6506, 39.4037, 18.2443



32.7863, 39.4037, 78.6308

Square

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



36.6506, 39.4037, 18.2443



27.3749, 39.4037, 45.2575



38.2651, 39.4037, 83.3979



49.7407, 39.4037, 40.6334

Rectangle

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



36.6506, 39.4037, 18.2443



29.1051, 39.4037, 26.7539



38.2651, 39.4037, 83.3979



47.2593, 39.4037, 64.5157

Sweetspot

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



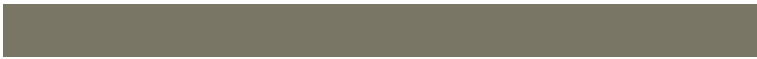
36.6516, 39.4055, 18.2451



77.8341, 82.8998, 71.7898



28.4036, 21.3031, 20.4483



16.9325, 18.0614, 15.0583



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.



36.6516, 39.4055, 18.2451



63.7008, 68.2863, 24.9880



34.8982, 43.7794, 19.1818



9.5825, 10.1680, 9.5645



20.6108, 20.9979, 2.9667



0.7679, 0.8230, 0.1184

Inverse Universe

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



21.0586, 19.8021, 49.1665



31.9743, 28.4322, 88.0041



22.1893, 17.4688, 48.6566



8.6729, 9.0231, 11.3640



6.5156, 3.4908, 31.5835



0.2754, 0.2145, 1.1286

Previews

White Background



This preview shows how the XYZ color 36.6506, 39.4037, 18.2443 looks on a white background.

Color Contrast Check

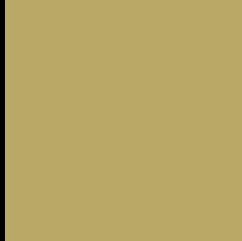
Large Text (above 18pt) WCAG AA × Fail

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 36.6506, 39.4037, 18.2443 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 36.6506, 39.4037, 18.2443

Background



This preview shows how black text looks on a background with the XYZ color 36.6506, 39.4037, 18.2443.



This preview shows how white text looks on a background with the XYZ color 36.6506, 39.4037,

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

36.6506, 39.4037, 18.2443

Protanopia

36.3534, 39.5256, 18.2835

Deuteranopia

40.1454, 39.3266, 18.5716



Tritanopia

42.0095, 39.4576, 44.4317

Trichromacy



Original Color

36.6506, 39.4037, 18.2443

Protanomaly

36.5938, 39.6495, 18.2948

Deuteranomaly

38.7496, 39.4005, 18.3947

Tritanomaly

39.5989, 39.2481, 33.0923

Monochromacy



Original Color

36.6506, 39.4037, 18.2443

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.0102, 38.5048, 31.5208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6506, 39.4037, 18.2443 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, 168, 102)` looks like.

```
.text, #text, p{  
    color:rgb(186, 168, 102)  
}
```

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, 168, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 168, 102) }
```

Border

The CSS property to change the border of an element to XYZ 36.6506, 39.4037, 18.2443 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, 168, 102) }
```


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

```
.border{ border-color:rgb(186, 168, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 168, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 168, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 168, 102);  
box-shadow:4px 4px 4px 4px rgb(186, 168,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6506, 39.4037, 18.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 168, 102) }
```

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

```
.background{ background-color: rgb(186,  
168, 102) }
```

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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