

Converting Colors

XYZ(36.3219, 39.7326, 15.2017)

Have a look what the booklet for
XYZ(36.3219, 39.7326, 15.2017)
contains.

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Color

**XYZ(36.4276, 39.9098,
15.2346)**

Conversions

Conversions Part 1

Format	Color
Hex	BAAA59
RGB	186, 170, 89
RGB Percent	73%, 67%, 35%
CMY	0.2706, 0.3333, 0.6510
CMYK	0.00, 0.09, 0.52, 0.27
HSL	50°, 41%, 54%
HSV	50°, 52%, 73%
XYZ	36.4276, 39.9098, 15.2346
YIQ	165.5500, 35.5370, -21.7990

Conversions

Conversions Part 2

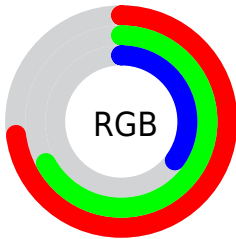
Format	Color
RYB	108, 186, 89
Decimal	12233305
CIELab	69.41, -4.94, 43.42
CIELCh	69, 43.701, 96.485
Yxy	39.9098, 0.3978, 0.4358
Android (android.graphics.Color)	4290423385 (0xFFBAAA59)
YUV	165.5500, -37.7392, 17.9346
Hunter-Lab	63.1742, -7.6279, 29.9240

Details

The XYZ color **36.4276, 39.9098, 15.2346** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **18.0342, 15.7717, 48.5480**, and the grayscale version is **36.1934, 38.0783, 41.4672**.

A 20% lighter version of the original color is **69.0412, 75.0066, 36.0382**, and **16.2047, 17.9286, 4.5259** is the 20% darker color. If you saturate the color by 10%, you get **35.1752, 38.5010, 11.4387**, and if you desaturate by 10%, it is **37.8927, 41.4281, 20.0759**.

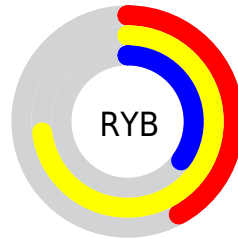
Distribution



Red (73%)

Green (67%)

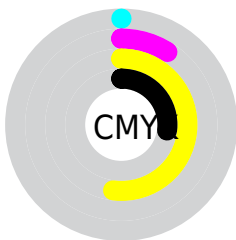
Blue (35%)



Red (42%)

Yellow (73%)

Blue (35%)

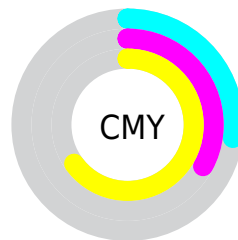


Cyan (0%)

Magenta (9%)

Yellow (52%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4276, 39.9098, 15.2346 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 36.4276, 39.9098, 15.2346 by changing the saturation by 10% instead.

■ 36.4276, 39.9098,
15.2346

■ 36.4276, 39.9098,
15.2346

322.2244,
345.7432, 236.4713

■ 24.9363, 27.4682,
8.8358

■ 69.0111, 75.0261,
36.0123

■ 16.1580, 17.9252,
4.5389

■ 90.8340, 98.4697,
51.2283

■ 9.7276, 10.8963,
1.9254

■ 116.8314,
126.3494, 70.2203

■ 5.2796, 5.9971,
0.5088

■ 147.3688,
159.0495, 93.4071

■ 2.4487, 2.8433,
0.0000

182.8114,
196.9546, 121.2070

■ 0.8694, 1.0505,
0.0000

223.5246,

■ 0.0000, 0.0000,

240.4490, 154.0386

0.0000

269.8738,
289.9171, 192.3206

■ 36.4276, 39.9098,
15.2346

■ 36.4276, 39.9098,
15.2346

■ 35.1752, 38.5010,
11.4387

■ 37.8927, 41.4281,
20.0759

■ 34.1174, 37.1899,
8.6057

■ 39.5812, 43.0559,
26.0316

■ 33.2376, 35.9711,
6.6451

■ 41.5067, 44.8003,
33.1678

■ 32.5150, 34.8363,
5.4476

■ 43.6806, 46.6659,
41.5447

■ 32.0257, 33.9912,
4.8730

■ 46.1137, 48.6572,
51.2184

■ 48.8160, 50.7783,
62.2416

■ 51.7970, 53.0333,
74.6639

■ 55.0658, 55.4258,
88.5325

■ 58.4045, 57.8688,
102.6993

Harmonies

Analogous

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



43.5824, 39.9098, 16.7570



36.4276, 39.9098, 15.2346



30.4539, 39.9098, 19.1804

Triad

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



36.4276, 39.9098, 15.2346



28.0752, 39.9098, 70.7589



51.7178, 39.9098, 60.7915

Complementary

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



36.4276, 39.9098, 15.2346



18.0342, 15.7717, 48.5480

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.



46.5462, 39.9098, 82.5745



36.4276, 39.9098, 15.2346



32.7943, 39.9098, 89.4616

Square

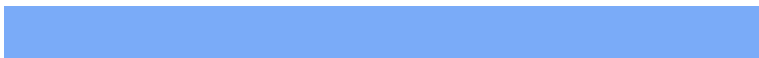
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.4276, 39.9098, 15.2346



26.0313, 39.9098, 47.9730



39.4795, 39.9098, 94.3467



53.0013, 39.9098, 39.2300

Rectangle

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



36.4276, 39.9098, 15.2346



27.7478, 39.9098, 25.4019



39.4795, 39.9098, 94.3467



50.3479, 39.9098, 68.5092

Sweetspot

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



36.4286, 39.9117, 15.2354



77.4965, 83.1662, 68.7747



26.3807, 18.6076, 15.6113



16.8870, 18.1608, 14.4559



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.



36.4286, 39.9117, 15.2354



63.3680, 69.3221, 19.6317



32.6253, 42.6765, 15.9695



9.6207, 10.2444, 9.5772



21.5927, 22.9617, 3.2940



0.7952, 0.8774, 0.1274

Inverse Universe

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



18.0342, 15.7717, 48.5480



26.3532, 20.7968, 86.8266



20.3676, 14.7795, 48.2335



8.6376, 8.9524, 11.3522



6.3244, 3.1085, 31.5197



0.2604, 0.1845, 1.1236

Previews

White Background



This preview shows how the XYZ color 36.4276, 39.9098, 15.2346 looks on a white background.

Color Contrast Check

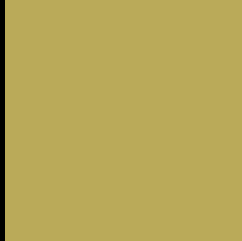
Large Text (above 18pt) WCAG AA × Fail

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 36.4276, 39.9098, 15.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

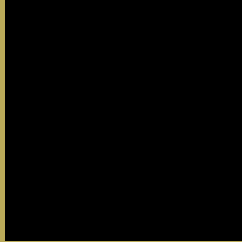
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4276, 39.9098, 15.2346

Background



This preview shows how black text looks on a background with the XYZ color 36.4276, 39.9098, 15.2346.



This preview shows how white text looks on a background with the XYZ color 36.4276, 39.9098,

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

36.4276, 39.9098, 15.2346

Protanopia

36.6714, 40.0355, 15.2460

Deuteranopia

40.8211, 40.0059, 15.4679



Tritanopia

42.5358, 39.9762, 45.0095

Trichromacy



Original Color

36.4276, 39.9098, 15.2346

Protanomaly

36.6714, 40.0355, 15.2460

Deuteranomaly

39.1200, 39.9278, 15.3179

Tritanomaly

39.6438, 39.5803, 31.1415

Monochromacy



Original Color

36.4276, 39.9098, 15.2346

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.6397, 38.3566, 29.5699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4276, 39.9098, 15.2346 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, 170, 89)` looks like.

```
.text, #text, p{  
    color:rgb(186, 170, 89)  
}
```

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, 170, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 170, 89) }
```

Border

The CSS property to change the border of an element to XYZ 36.4276, 39.9098, 15.2346 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, 170, 89) }
```


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

```
.border{ border-color:rgb(186, 170, 89) }
```

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

Here you see how a box with a 4 pixel rgb(186, 170, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 170, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 170, 89);  
box-shadow:4px 4px 4px 4px rgb(186, 170,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4276, 39.9098, 15.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 170, 89) }
```

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

```
.background{ background-color: rgb(186,  
170, 89) }
```

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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