

Converting Colors

XYZ(36.1713, 39.8606, 14.0357)

Have a look what the booklet for
XYZ(36.1713, 39.8606, 14.0357)
contains.

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Color

**XYZ(36.1858, 39.8131,
13.9611)**

Conversions

Conversions Part 1

Format	Color
Hex	BAAA53
RGB	186, 170, 83
RGB Percent	73%, 67%, 33%
CMY	0.2706, 0.3333, 0.6745
CMYK	0.00, 0.09, 0.55, 0.27
HSL	51°, 43%, 53%
HSV	51°, 55%, 73%
XYZ	36.1858, 39.8131, 13.9611
YIQ	164.8660, 37.4630, -23.6650

Conversions

Conversions Part 2

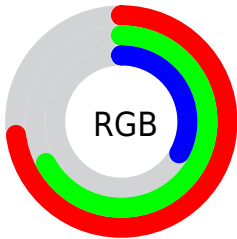
Format	Color
RYB	102, 186, 83
Decimal	12233299
CIELab	69.34, -5.44, 46.28
CIELCh	69, 46.599, 96.709
Yxy	39.8131, 0.4022, 0.4426
Android (android.graphics.Color)	4290423379 (0xFFBAAA53)
YUV	164.8660, -40.3599, 18.5345
Hunter-Lab	63.0976, -8.0530, 31.0497

Details

The XYZ color **36.1858, 39.8131, 13.9611** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **16.8920, 14.3074, 48.3256**, and the grayscale version is **35.8756, 37.7439, 41.1031**.

A 20% lighter version of the original color is **68.6066, 74.8328, 33.7499**, and **15.9451, 17.8070, 3.9632** is the 20% darker color. If you saturate the color by 10%, you get **35.0266, 38.4940, 10.4947**, and if you desaturate by 10%, it is **37.5514, 41.2368, 18.4476**.

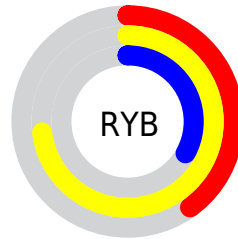
Distribution



Red (73%)

Green (67%)

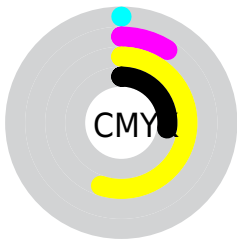
Blue (33%)



Red (40%)

Yellow (73%)

Blue (33%)

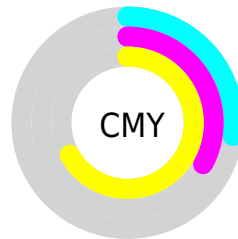


Cyan (0%)

Magenta (9%)

Yellow (55%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1858, 39.8131, 13.9611 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 36.1858, 39.8131, 13.9611 by changing the saturation by 10% instead.


 36.1858, 39.8131,
13.9611


 36.1858, 39.8131,
13.9611


321.1890,
345.3352, 228.4087


 24.7485, 27.3929,
7.9552


 68.6407, 74.8788,
33.7361

 16.0175, 17.8685,
3.9789


 90.3891, 98.2931,
48.3423


 9.6275, 10.8556,
1.6138


 116.3052,
126.1408, 66.6523

 5.2130, 5.9698,
0.3006

 146.7544,
158.8064, 89.0847

 2.4088, 2.8267,
0.0000

 182.1020,
196.6742, 116.0580

 0.8495, 1.0420,
0.0000

222.7134,

 0.0000, 0.0000,

240.1287, 147.9907

0.0000

268.9539,
289.5542, 185.3014

■ 36.1858, 39.8131,
13.9611

■ 36.1858, 39.8131,
13.9611

■ 35.0266, 38.4940,
10.4947

■ 37.5514, 41.2368,
18.4476

■ 34.0552, 37.2674,
7.9628

■ 39.1347, 42.7653,
24.0257

■ 33.2541, 36.1277,
6.2699

■ 40.9495, 44.4056,
30.7633

■ 32.6007, 35.0658,
5.2972

■ 43.0076, 46.1626,
38.7222

■ 32.3261, 34.5920,
4.9732

■ 45.3199, 48.0409,
47.9597

■ 47.8967, 50.0445,
58.5295

■ 50.7477, 52.1776,
70.4821

■ 53.8820, 54.4438,
83.8656

■ 57.3083, 56.8469,
98.7256

Harmonies

Analogous

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



43.8175, 39.8131, 15.4561



36.1858, 39.8131, 13.9611



29.8790, 39.8131, 18.0039

Triad

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



36.1858, 39.8131, 13.9611



27.4428, 39.8131, 72.9251



52.6477, 39.8131, 61.7606

Complementary

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



36.1858, 39.8131, 13.9611



16.8920, 14.3074, 48.3256

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.



47.1053, 39.8131, 85.4636



36.1858, 39.8131, 13.9611



32.4346, 39.8131, 93.2543

Square

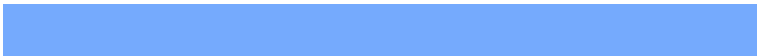
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.1858, 39.8131, 13.9611



25.2795, 39.8131, 48.3416



39.5462, 39.8131, 98.4723



53.9970, 39.8131, 38.7139

Rectangle

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



36.1858, 39.8131, 13.9611



27.0476, 39.8131, 24.4440



39.5462, 39.8131, 98.4723



51.1808, 39.8131, 70.1160

Sweetspot

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



36.1867, 39.8150, 13.9619



77.2080, 83.0489, 67.2607



25.6515, 17.5493, 14.1348



16.8328, 18.1454, 14.1507



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.



36.1867, 39.8150, 13.9619



63.1622, 69.3792, 18.1182



32.0070, 42.3857, 14.6784



9.6282, 10.2594, 9.5797



21.7927, 23.3617, 3.3607



0.8006, 0.8883, 0.1293

Inverse Universe

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



16.8920, 14.3074, 48.3256



24.8541, 18.7920, 86.5187



19.3376, 13.5372, 48.0480



8.6307, 8.9387, 11.3499



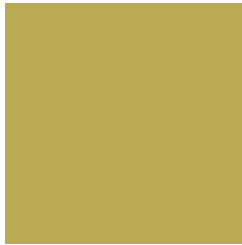
6.2926, 3.0448, 31.5091



0.2575, 0.1786, 1.1227

Previews

White Background



This preview shows how the XYZ color 36.1858, 39.8131, 13.9611 looks on a white background.

Color Contrast Check

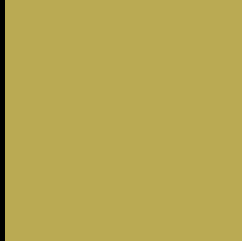
Large Text (above 18pt) WCAG AA × Fail

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 36.1858, 39.8131, 13.9611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

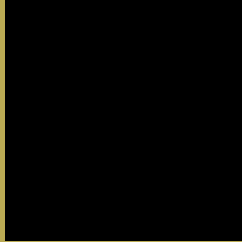
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1858, 39.8131, 13.9611

Background



This preview shows how black text looks on a background with the XYZ color 36.1858, 39.8131, 13.9611.



This preview shows how white text looks on a background with the XYZ color 36.1858, 39.8131,

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

36.1858, 39.8131, 13.9611

Protanopia

36.4296, 39.9388, 13.9725

Deuteranopia

40.3970, 39.5555, 14.1002



Tritanopia

42.3618, 39.6281, 44.9514

Trichromacy



Original Color

36.1858, 39.8131, 13.9611

Protanomaly

36.4296, 39.9388, 13.9725

Deuteranomaly

38.6951, 39.4704, 13.9666

Tritanomaly

39.4949, 39.5207, 30.3576

Monochromacy



Original Color

36.1858, 39.8131, 13.9611

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.4255, 38.2709, 28.4416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1858, 39.8131, 13.9611 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(186, 170, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 170, 83) }
```

Border

The CSS property to change the border of an element to XYZ 36.1858, 39.8131, 13.9611 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, 83) }
```


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

```
.border{ border-color:rgb(186, 170, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 170, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 170, 83);  
box-shadow:4px 4px 4px 4px rgb(186, 170,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1858, 39.8131, 13.9611 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, 83) }
```

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

```
.background{ background-color: rgb(186,  
170, 83) }
```

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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