

Converting Colors

XYZ(36.0757, 39.8557, 9.5334)

Have a look what the booklet for
XYZ(36.0757, 39.8557, 9.5334)
contains.

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Color

**XYZ(36.0748, 39.8538,
9.5326)**

Conversions

Conversions Part 1

Format	Color
Hex	BDAA38
RGB	189, 170, 56
RGB Percent	74%, 67%, 22%
CMY	0.2588, 0.3333, 0.7804
CMYK	0.00, 0.10, 0.70, 0.26
HSL	51°, 54%, 48%
HSV	51°, 70%, 74%
XYZ	36.0748, 39.8538, 9.5326
YIQ	162.6850, 47.9180, -31.4260

Conversions

Conversions Part 2

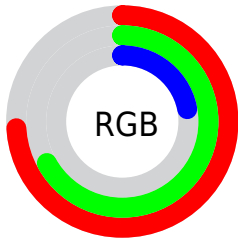
Format	Color
RYB	78, 189, 56
Decimal	12429880
CIELab	69.37, -5.94, 58.37
CIELCh	69, 58.676, 95.810
Yxy	39.8538, 0.4221, 0.4663
Android (android.graphics.Color)	4290619960 (0xFFBDAA38)
YUV	162.6850, -52.5957, 23.0783
Hunter-Lab	63.1299, -8.4756, 35.2381

Details

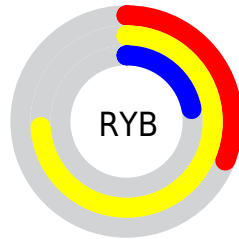
The XYZ color **36.0748, 39.8538, 9.5326** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.3323, 9.5469, 49.2838**, and the grayscale version is **34.8894, 36.7064, 39.9733**.

A 20% lighter version of the original color is **68.4511, 74.9327, 25.6075**, and **15.9942, 17.8624, 2.6048** is the 20% darker color. If you saturate the color by 10%, you get **35.1965, 38.7026, 7.3741**, and if you desaturate by 10%, it is **37.1398, 41.0993, 12.6149**.

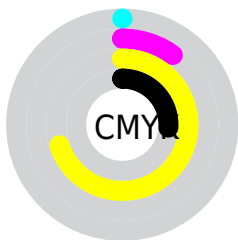
Distribution



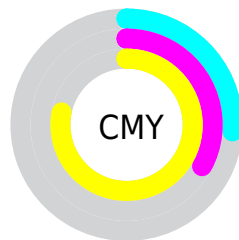
- Red (74%)
- Green (67%)
- Blue (22%)



- Red (31%)
- Yellow (74%)
- Blue (22%)



- Cyan (0%)
- Magenta (10%)
- Yellow (70%)
- Black (26%)





- Cyan (26%)
- Magenta (33%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0748, 39.8538, 9.5326 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 36.0748, 39.8538, 9.5326 by changing the saturation by 10% instead.


 36.0748, 39.8538,
9.5326


 36.0748, 39.8538,
9.5326


320.7129,
345.5070, 197.6649


 24.6623, 27.4246,
4.9886


 68.4706, 74.9408,
25.5065

 15.9531, 17.8923,
2.1820


 90.1847, 98.3674,
37.7735


 9.5816, 10.8727,
0.6639


 116.0634,
126.2286, 53.4520

 5.1826, 5.9813,
0.0000

 146.4720,
158.9088, 72.9605

 2.3906, 2.8337,
0.0000

 181.7759,
196.7923, 96.7174

 0.8404, 1.0455,
0.0000

 222.3404,

 0.0000, 0.0000,

240.2636, 125.1415

0.0000

268.5310,
289.7070, 158.6511

■ 36.0748, 39.8538,
9.5326

■ 36.0748, 39.8538,
9.5326

■ 35.1965, 38.7026,
7.3741

■ 37.1398, 41.0993,
12.6149

■ 34.4813, 37.6317,
6.0273

■ 38.4064, 42.4407,
16.7112

■ 33.9076, 36.6618,
5.2893

■ 39.8910, 43.8861,
21.9039

■ 41.6076, 45.4412,
28.2659

■ 43.5689, 47.1112,
35.8643

■ 45.7867, 48.9010,
44.7607

■ 48.2721, 50.8149,
55.0127

■ 51.0353, 52.8572,
66.6746

■ 54.0861, 55.0320,
79.7975

Harmonies

Analogous

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



45.8011, 39.8538, 11.1815



36.0748, 39.8538, 9.5326



28.2354, 39.8538, 13.4467

Triad

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



36.0748, 39.8538, 9.5326



25.0025, 39.8538, 81.3940



56.9314, 39.8538, 68.3233

Complementary

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



36.0748, 39.8538, 9.5326



13.3323, 9.5469, 49.2838

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.



49.5029, 39.8538, 100.5554



36.0748, 39.8538, 9.5326



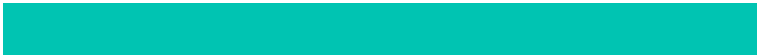
30.9289, 39.8538, 110.0390

Square

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



36.0748, 39.8538, 9.5326



22.5602, 39.8538, 48.8628



39.7441, 39.8538, 118.2118



58.9197, 39.8538, 38.3493

Rectangle

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



36.0748, 39.8538, 9.5326



24.7803, 39.8538, 20.2757



39.7441, 39.8538, 118.2118



54.9339, 39.8538, 79.5792

Sweetspot

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



36.0757, 39.8557, 9.5334



77.6728, 84.0782, 62.8166



23.7034, 14.1686, 8.3145



16.4878, 17.8999, 12.6655



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.



36.0757, 39.8557, 9.5334



62.3660, 68.3453, 11.8390



30.1442, 42.4713, 10.3509



10.2030, 10.8819, 10.1393



22.8570, 24.7528, 3.5731



0.9276, 1.0341, 0.1507

Inverse Universe

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



13.3323, 9.5469, 49.2838



19.3937, 11.2144, 87.3686



16.1419, 9.3600, 49.0997



9.1235, 9.4393, 12.0133



6.4783, 3.0683, 32.6437



0.2895, 0.1917, 1.2906

Previews

White Background



This preview shows how the XYZ color 36.0748, 39.8538, 9.5326 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 36.0748, 39.8538, 9.5326 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 36.0748, 39.8538, 9.5326

Background



This preview shows how black text looks on a background with the XYZ color 36.0748, 39.8538, 9.5326.



This preview shows how white text looks on a background with the XYZ color 36.0748, 39.8538,

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

36.0748, 39.8538, 9.5326

Protanopia

36.3237, 39.9821, 9.5442

Deuteranopia

40.6857, 39.8026, 9.6760



Tritanopia

43.0375, 39.7423, 43.9308

Trichromacy



Original Color

36.0748, 39.8538, 9.5326

Protanomaly

36.3237, 39.9821, 9.5442

Deuteranomaly

38.9410, 39.6938, 9.6122

Tritanomaly

39.5653, 39.3815, 26.2849

Monochromacy



Original Color

36.0748, 39.8538, 9.5326

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.2876, 37.4983, 24.4995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0748, 39.8538, 9.5326 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(189, 170, 56)` looks like.

```
.text, #text, p{  
    color:rgb(189, 170, 56)  
}
```

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(189, 170, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 170, 56) }
```

Border

The CSS property to change the border of an element to XYZ 36.0748, 39.8538, 9.5326 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(189, 170, 56) }
```


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

```
.border{ border-color:rgb(189, 170, 56) }
```

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

Here you see how a box with a 4 pixel rgb(189, 170, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 170, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 170, 56);  
box-shadow:4px 4px 4px 4px rgb(189, 170,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0748, 39.8538, 9.5326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 170, 56) }
```

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

```
.background{ background-color: rgb(189,  
170, 56) }
```

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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