

Converting Colors

XYZ(36.3237, 39.9821, 9.5442)

Have a look what the booklet for
XYZ(36.3237, 39.9821, 9.5442)
contains.

XYZ(36.3237, 39.9821, 9.5442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.3237, 39.9821,
9.5442)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAA38
RGB	190, 170, 56
RGB Percent	75%, 67%, 22%
CMY	0.2549, 0.3333, 0.7804
CMYK	0.00, 0.11, 0.71, 0.25
HSL	51°, 54%, 48%
HSV	51°, 71%, 75%
XYZ	36.3237, 39.9821, 9.5442
YIQ	162.9840, 48.5140, -31.2140

Conversions

Conversions Part 2

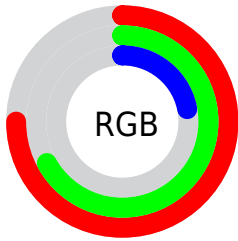
Format	Color
RYB	80, 190, 56
Decimal	12495416
CIELab	69.46, -5.50, 58.50
CIELCh	69, 58.755, 95.375
Yxy	39.9821, 0.4231, 0.4657
Android (android.graphics.Color)	4290685496 (0xFFBEAA38)
YUV	162.9840, -52.7431, 23.6930
Hunter-Lab	63.2314, -8.1144, 35.3127

Details

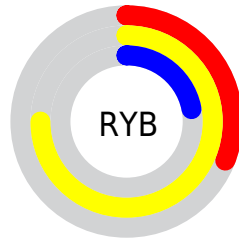
The XYZ color **36.3237, 39.9821, 9.5442** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.5096, 9.7271, 49.8803**, and the grayscale version is **35.0313, 36.8557, 40.1358**.

A 20% lighter version of the original color is **68.8066, 75.1160, 25.6242**, and **16.1513, 17.9434, 2.6122** is the 20% darker color. If you saturate the color by 10%, you get **35.4189, 38.7804, 7.3692**, and if you desaturate by 10%, it is **37.4181, 41.2810, 12.6531**.

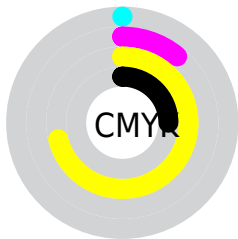
Distribution



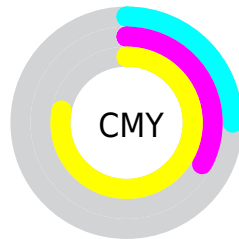
- Red (75%)
- Green (67%)
- Blue (22%)



- Red (31%)
- Yellow (75%)
- Blue (22%)



- Cyan (0%)
- Magenta (11%)
- Yellow (71%)
- Black (25%)





- Cyan (25%)
- Magenta (33%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3237, 39.9821, 9.5442 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 36.3237, 39.9821, 9.5442 by changing the saturation by 10% instead.


 36.3237, 39.9821,
9.5442


 36.3237, 39.9821,
9.5442


321.7798,
346.0481, 197.7524


 24.8556, 27.5246,
4.9962


 68.8520, 75.1363,
25.5289


 16.0976, 17.9676,
2.1863


 90.6429, 98.6017,
37.8026


 9.6846, 10.9267,
0.6665


 116.6054,
126.5052, 53.4886

 5.2510, 6.0176,
0.0000

 147.1049,
159.2312, 73.0055

 2.4315, 2.8558,
0.0000

 182.5067,
197.1641, 96.7718

 0.8609, 1.0569,
0.0000

 223.1762,

 0.0000, 0.0000,

240.6883, 125.2060

0.0000

269.4788,
290.1882, 158.7267

■ 36.3237, 39.9821,
9.5442

■ 36.3237, 39.9821,
9.5442

■ 35.4189, 38.7804,
7.3692

■ 37.4181, 41.2810,
12.6531

■ 34.6797, 37.6617,
6.0140

■ 38.7173, 42.6788,
16.7877

■ 34.0935, 36.6641,
5.2800

■ 40.2380, 44.1837,
22.0313

■ 41.9943, 45.8015,
28.4582

■ 43.9992, 47.5376,
36.1362

■ 46.2647, 49.3967,
45.1279

■ 48.8018, 51.3836,
55.4917

■ 51.6211, 53.5024,
67.2827

■ 54.7326, 55.7573,
80.5527

Harmonies

Analogous

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



46.0938, 39.9821, 11.2787



36.3237, 39.9821, 9.5442



28.4164, 39.9821, 13.3797

Triad

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



36.3237, 39.9821, 9.5442



25.0191, 39.9821, 81.1801



57.0456, 39.9821, 69.0398

Complementary

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



36.3237, 39.9821, 9.5442



13.5096, 9.7271, 49.8803

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.



49.5315, 39.9821, 101.3028



36.3237, 39.9821, 9.5442



30.9170, 39.9821, 110.1132

Square

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



36.3237, 39.9821, 9.5442



22.6199, 39.9821, 48.5966



39.7308, 39.9821, 118.6947



59.1340, 39.9821, 38.8352

Rectangle

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



36.3237, 39.9821, 9.5442



24.9159, 39.9821, 20.1403



39.7308, 39.9821, 118.6947



55.0159, 39.9821, 80.3372

Sweetspot

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



36.3246, 39.9840, 9.5450



79.4199, 85.8809, 64.2619



23.9575, 14.2990, 8.3535



17.2089, 18.6618, 13.2172



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.



36.3246, 39.9840, 9.5450



63.3671, 69.0725, 11.7512



30.4724, 42.9608, 10.4280



10.1977, 10.8713, 10.1375



22.7159, 24.4705, 3.5260



0.9232, 1.0254, 0.1493

Inverse Universe

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



13.5096, 9.7271, 49.8803



19.7052, 11.3241, 89.4263



16.2908, 9.4241, 49.6752



9.1284, 9.4490, 12.0149



6.4984, 3.1086, 32.6504



0.2916, 0.1960, 1.2913

Previews

White Background



This preview shows how the XYZ color 36.3237, 39.9821, 9.5442 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 36.3237, 39.9821, 9.5442 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 36.3237, 39.9821, 9.5442

Background



This preview shows how black text looks on a background with the XYZ color 36.3237, 39.9821, 9.5442.



This preview shows how white text looks on a background with the XYZ color 36.3237, 39.9821,

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

36.3237, 39.9821, 9.5442

Protanopia

36.3237, 39.9821, 9.5442

Deuteranopia

40.6857, 39.8026, 9.6760



Tritanopia

43.3020, 39.8787, 43.9432

Trichromacy



Original Color

36.3237, 39.9821, 9.5442

Protanomaly

36.3237, 39.9821, 9.5442

Deuteranomaly

38.9410, 39.6938, 9.6122

Tritanomaly

39.8246, 39.5151, 26.2971

Monochromacy



Original Color

36.3237, 39.9821, 9.5442

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.5079, 37.6119, 24.5098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3237, 39.9821, 9.5442 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 170, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 56) }
```

Border

The CSS property to change the border of an element to XYZ 36.3237, 39.9821, 9.5442 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, 56) }
```


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

```
.border{ border-color:rgb(190, 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(190, 170, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 56);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3237, 39.9821, 9.5442 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, 56) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor