

Converting Colors

XYZ(35.6943, 39.8058, 9.7812)

Have a look what the booklet for
XYZ(35.6943, 39.8058, 9.7812)
contains.

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Color

**XYZ(35.8201, 39.9961,
9.8351)**

Conversions

Conversions Part 1

Format	Color
Hex	BBAB3A
RGB	187, 171, 58
RGB Percent	73%, 67%, 23%
CMY	0.2667, 0.3294, 0.7725
CMYK	0.00, 0.09, 0.69, 0.27
HSL	53°, 53%, 48%
HSV	53°, 69%, 73%
XYZ	35.8201, 39.9961, 9.8351
YIQ	162.9020, 45.8090, -31.7510

Conversions

Conversions Part 2

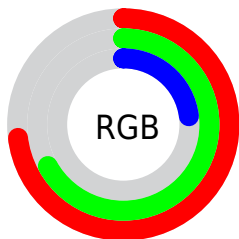
Format	Color
RYB	76, 187, 58
Decimal	12299066
CIELab	69.47, -7.23, 57.62
CIElCh	69, 58.072, 97.153
Yxy	39.9961, 0.4182, 0.4670
Android (android.graphics.Color)	4290489146 (0xFFBBAB3A)
YUV	162.9020, -51.7167, 21.1339
Hunter-Lab	63.2425, -9.5731, 35.0493

Details

The XYZ color **35.8201, 39.9961, 9.8351** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.1633, 9.3847, 48.1309**, and the grayscale version is **34.9887, 36.8109, 40.0870**.

A 20% lighter version of the original color is **68.0716, 75.1332, 25.9533**, and **15.8027, 17.9395, 2.6298** is the 20% darker color. If you saturate the color by 10%, you get **34.9943, 38.9727, 7.6240**, and if you desaturate by 10%, it is **36.8282, 41.1078, 12.9600**.

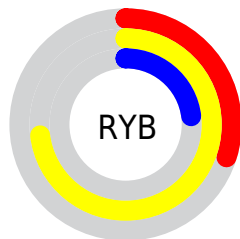
Distribution



Red (73%)

Green (67%)

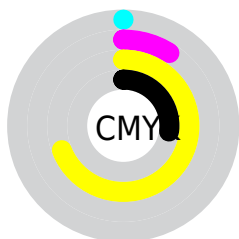
Blue (23%)



Red (30%)

Yellow (73%)

Blue (23%)

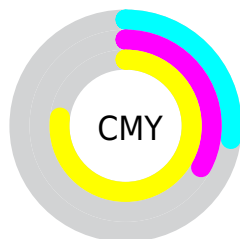


Cyan (0%)

Magenta (9%)

Yellow (69%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8201, 39.9961, 9.8351 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 35.8201, 39.9961, 9.8351 by changing the saturation by 10% instead.


 35.8201, 39.9961,
9.8351


 35.8201, 39.9961,
9.8351


319.6185,
346.1071, 199.9329


 24.4648, 27.5355,
5.1856


 68.0800, 75.1576,
26.0878

 15.8053, 17.9758,
2.2959


 89.7152, 98.6272,
38.5281


 9.4765, 10.9326,
0.7289


 115.5079,
126.5354, 54.4024

 5.1128, 6.0215,
0.0000

 145.8232,
159.2664, 74.1293

 2.3491, 2.8582,
0.0000

 181.0265,
197.2047, 98.1272

 0.8196, 1.0581,
0.0000

221.4833,

 0.0000, 0.0000,

240.7347, 126.8148

0.0000

267.5588,
290.2407, 160.6105

■ 35.8201, 39.9961,
9.8351

■ 35.8201, 39.9961,
9.8351

■ 34.9943, 38.9727,
7.6240

■ 36.8282, 41.1078,
12.9600

■ 34.3282, 38.0238,
6.2204

■ 38.0326, 42.3089,
17.0848

■ 33.7881, 37.1375,
5.4421

■ 39.4491, 43.6072,
22.2884

■ 33.7354, 37.0488,
5.3731

■ 41.0911, 45.0082,
28.6409

■ 42.9709, 46.5169,
36.2068

■ 45.0998, 48.1378,
45.0456

■ 47.4884, 49.8752,
55.2130

■ 50.1467, 51.7332,
66.7613

■ 53.0841, 53.7156,
79.7401

Harmonies

Analogous

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



45.4312, 39.9961, 11.2471



35.8201, 39.9961, 9.8351



28.1584, 39.9961, 14.0527

Triad

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



35.8201, 39.9961, 9.8351



25.4113, 39.9961, 82.6326



57.1056, 39.9961, 66.7544

Complementary

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



35.8201, 39.9961, 9.8351



13.1633, 9.3847, 48.1309

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.



49.9392, 39.9961, 98.8240



35.8201, 39.9961, 9.8351



31.4534, 39.9961, 110.3141

Square

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



35.8201, 39.9961, 9.8351



22.8219, 39.9961, 50.2801



40.2980, 39.9961, 117.2145



58.7883, 39.9961, 37.4471

Rectangle

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



35.8201, 39.9961, 9.8351



24.8235, 39.9961, 21.1668



40.2980, 39.9961, 117.2145



55.2071, 39.9961, 77.8697

Sweetspot

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



35.8210, 39.9980, 9.8359



76.1283, 82.6575, 61.4504



23.2835, 14.1020, 8.1879



16.5559, 18.0361, 12.6882



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.



35.8210, 39.9980, 9.8359



62.0026, 68.8736, 12.1406



29.2989, 41.3953, 10.4494



10.2186, 10.9131, 10.1445



23.2802, 25.5992, 3.7141



0.9406, 1.0601, 0.1551

Inverse Universe

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



13.1633, 9.3847, 48.1309



18.9412, 10.8106, 85.2898



16.3441, 9.6359, 48.0118



9.1093, 9.4109, 12.0086



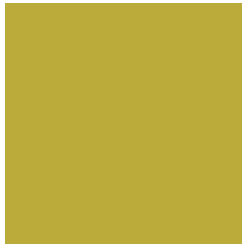
6.4234, 2.9585, 32.6254



0.2833, 0.1792, 1.2885

Previews

White Background



This preview shows how the XYZ color 35.8201, 39.9961, 9.8351 looks on a white background.

Color Contrast Check

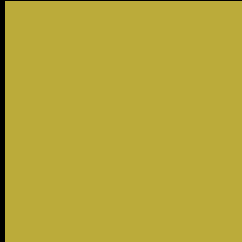
Large Text (above 18pt) WCAG AA × Fail

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 35.8201, 39.9961, 9.8351 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 35.8201, 39.9961, 9.8351

Background



This preview shows how black text looks on a background with the XYZ color 35.8201, 39.9961, 9.8351.



This preview shows how white text looks on a background with the XYZ color 35.8201, 39.9961,

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

35.8201, 39.9961, 9.8351

Protanopia

36.3737, 40.0021, 9.8071

Deuteranopia

40.7386, 39.8237, 9.9545



Tritanopia

42.7822, 39.8559, 44.4678

Trichromacy



Original Color

35.8201, 39.9961, 9.8351

Protanomaly

36.1247, 39.8738, 9.7954

Deuteranomaly

38.8993, 39.9330, 9.9326

Tritanomaly

39.3645, 39.5271, 27.0275

Monochromacy



Original Color

35.8201, 39.9961, 9.8351

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3511, 37.5238, 24.8343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8201, 39.9961, 9.8351 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(187, 171, 58)` looks like.

```
.text, #text, p{  
    color:rgb(187, 171, 58)  
}
```

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(187, 171, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 171, 58) }
```

Border

The CSS property to change the border of an element to XYZ 35.8201, 39.9961, 9.8351 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(187, 171, 58) }
```


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

```
.border{ border-color:rgb(187, 171, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 171, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 171, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 171, 58);  
box-shadow:4px 4px 4px 4px rgb(187, 171,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8201, 39.9961, 9.8351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 171, 58) }
```

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

```
.background{ background-color: rgb(187,  
171, 58) }
```

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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