

Converting Colors

XYZ(36.1617, 39.6185, 9.6121)

Have a look what the booklet for
XYZ(36.1617, 39.6185, 9.6121)
contains.

XYZ(36.1617, 39.6185, 9.6121)	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(36.1617, 39.6185,
9.6121)**

Conversions

Conversions Part 1

Format	Color
Hex	BEA939
RGB	190, 169, 57
RGB Percent	75%, 66%, 22%
CMY	0.2549, 0.3372, 0.7765
CMYK	0.00, 0.11, 0.70, 0.25
HSL	51°, 54%, 48%
HSV	51°, 70%, 75%
XYZ	36.1617, 39.6185, 9.6121
YIQ	162.5110, 48.4680, -30.3800

Conversions

Conversions Part 2

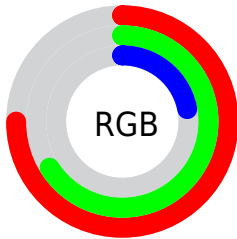
Format	Color
RYB	82, 190, 57
Decimal	12495161
CIELab	69.20, -4.92, 57.84
CIELCh	69, 58.047, 94.866
Yxy	39.6185, 0.4235, 0.4640
Android (android.graphics.Color)	4290685241 (0xFFBEA939)
YUV	162.5110, -52.0169, 24.1079
Hunter-Lab	62.9432, -7.6001, 35.0060

Details

The XYZ color **36.1617, 39.6185, 9.6121** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.7060, 10.0361, 49.9297**, and the grayscale version is **34.8044, 36.6170, 39.8759**.

A 20% lighter version of the original color is **68.5370, 74.5768, 25.5343**, and **16.0342, 17.7091, 2.5731** is the 20% darker color. If you saturate the color by 10%, you get **35.2223, 38.3616, 7.3822**, and if you desaturate by 10%, it is **37.2931, 40.9757, 12.7817**.

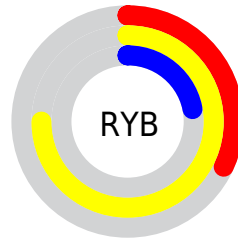
Distribution



Red (75%)

Green (66%)

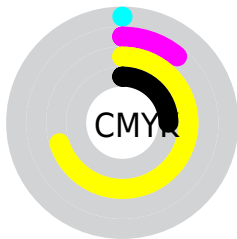
Blue (22%)



Red (32%)

Yellow (75%)

Blue (22%)

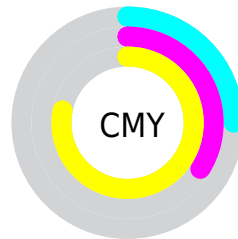


Cyan (0%)

Magenta (11%)

Yellow (70%)

Black (25%)



Cyan (25%)


Magenta (34%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1617, 39.6185, 9.6121 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 36.1617, 39.6185, 9.6121 by changing the saturation by 10% instead.


 36.1617, 39.6185,
9.6121


 36.1617, 39.6185,
9.6121


321.0857,
344.5130, 198.2639


 24.7298, 27.2412,
5.0403


 68.6038, 74.5822,
25.6596

 16.0035, 17.7545,
2.2118


 90.3447, 97.9375,
37.9724


 9.6175, 10.7739,
0.6812

 116.2527,
125.7208, 53.7026

 5.2064, 5.9150,
0.0000

 146.6931,
158.3167, 73.2688

 2.4049, 2.7934,
0.0000

 182.0312,
196.1094, 97.0895

 0.8475, 1.0249,
0.0000

 222.6324,

 0.0000, 0.0000,

239.4834, 125.5832

0.0000

268.8621,
288.8232, 159.1685

■ 36.1617, 39.6185,
9.6121

■ 36.1617, 39.6185,
9.6121

■ 35.2223, 38.3616,
7.3822

■ 37.2931, 40.9757,
12.7817

■ 34.4510, 37.1909,
5.9791

■ 38.6315, 42.4348,
16.9819

■ 33.8072, 36.0913,
5.1846

■ 40.1935, 44.0040,
22.2958

■ 33.8071, 36.0910,
5.1844

■ 41.9933, 45.6893,
28.7972

■ 44.0437, 47.4958,
36.5535

■ 46.3566, 49.4285,
45.6271

■ 48.9432, 51.4919,
56.0764

■ 51.8139, 53.6903,
67.9561

■ 54.9787, 56.0279,
81.3179

Harmonies

Analogous

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



45.7612, 39.6185, 11.4277



36.1617, 39.6185, 9.6121



28.3428, 39.6185, 13.3120

Triad

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



36.1617, 39.6185, 9.6121



24.8229, 39.6185, 79.4744



56.2460, 39.6185, 68.7089

Complementary

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



36.1617, 39.6185, 9.6121



13.7060, 10.0361, 49.9297

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.



48.8144, 39.6185, 100.1736



36.1617, 39.6185, 9.6121



30.5696, 39.6185, 107.9750

Square

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



36.1617, 39.6185, 9.6121



22.5189, 39.6185, 47.6229



39.1913, 39.6185, 116.7913



58.3981, 39.6185, 38.9436

Rectangle

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



36.1617, 39.6185, 9.6121



24.8592, 39.6185, 19.8926



39.1913, 39.6185, 116.7913



54.2288, 39.6185, 79.7692

Sweetspot

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



36.1626, 39.6204, 9.6129



79.2882, 85.6175, 64.2180



24.1158, 14.4407, 8.9458



17.1764, 18.5967, 13.2064



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.



36.1626, 39.6204, 9.6129



63.0435, 68.3609, 11.8421



30.9470, 43.2027, 10.5792



10.1905, 10.8570, 10.1351



22.5273, 24.0934, 3.4632



0.9174, 1.0138, 0.1473

Inverse Universe

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



13.7060, 10.0361, 49.9297



20.0429, 11.8630, 89.5125



16.1620, 9.4304, 49.6833



9.1349, 9.4621, 12.0171



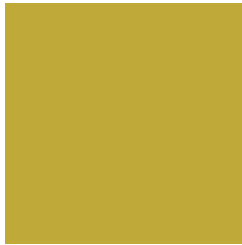
6.5269, 3.1655, 32.6599



0.2945, 0.2017, 1.2923

Previews

White Background



This preview shows how the XYZ color 36.1617, 39.6185, 9.6121 looks on a white background.

Color Contrast Check

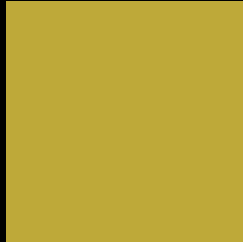
Large Text (above 18pt) WCAG AA × Fail

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 36.1617, 39.6185, 9.6121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

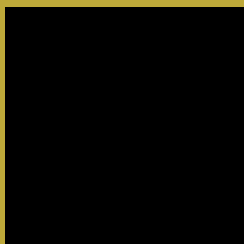
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1617, 39.6185, 9.6121

Background



This preview shows how black text looks on a background with the XYZ color 36.1617, 39.6185, 9.6121.



This preview shows how white text looks on a background with the XYZ color 36.1617, 39.6185,

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

36.1617, 39.6185, 9.6121

Protanopia

35.9128, 39.4902, 9.6005

Deuteranopia

40.4244, 39.6649, 9.8005



Tritanopia

43.0357, 39.4981, 43.3859

Trichromacy



Original Color

36.1617, 39.6185, 9.6121

Protanomaly

35.9128, 39.4902, 9.6005

Deuteranomaly

38.6935, 39.5632, 9.7348

Tritanomaly

39.6477, 39.1614, 26.2381

Monochromacy



Original Color

36.1617, 39.6185, 9.6121

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3268, 37.2497, 24.4495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1617, 39.6185, 9.6121 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, 169, 57)` looks like.

```
.text, #text, p{  
    color:rgb(190, 169, 57)  
}
```

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, 169, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 169, 57) }
```

Border

The CSS property to change the border of an element to XYZ 36.1617, 39.6185, 9.6121 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, 169, 57) }
```


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

```
.border{ border-color:rgb(190, 169, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 169, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 169, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 169, 57);  
box-shadow:4px 4px 4px 4px rgb(190, 169,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1617, 39.6185, 9.6121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 169, 57) }
```

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

```
.background{ background-color: rgb(190,  
169, 57) }
```

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