

Converting Colors

XYZ(36.6420, 40.4375, 9.0047)

Have a look what the booklet for
XYZ(36.6420, 40.4375, 9.0047)
contains.

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Color

**XYZ(36.6463, 40.4412,
9.0064)**

Conversions

Conversions Part 1

Format	Color
Hex	BFAB33
RGB	191, 171, 51
RGB Percent	75%, 67%, 20%
CMY	0.2510, 0.3294, 0.8000
CMYK	0.00, 0.10, 0.73, 0.25
HSL	51°, 58%, 47%
HSV	51°, 73%, 75%
XYZ	36.6463, 40.4412, 9.0064
YIQ	163.3000, 50.4400, -33.0800

Conversions

Conversions Part 2

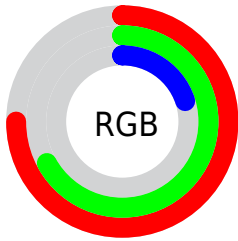
Format	Color
RYB	74, 191, 51
Decimal	12561203
CIELab	69.78, -5.84, 60.76
CIELCh	70, 61.039, 95.488
Yxy	40.4412, 0.4257, 0.4697
Android (android.graphics.Color)	4290751283 (0xFFBFAB33)
YUV	163.3000, -55.3639, 24.2929
Hunter-Lab	63.5934, -8.4261, 36.1184

Details

The XYZ color **36.6463, 40.4412, 9.0064** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **13.0225, 8.9717, 50.3352**, and the grayscale version is **35.1927, 37.0254, 40.3207**.

A 20% lighter version of the original color is **69.2222, 75.7573, 24.6099**, and **16.4283, 18.2620, 2.6590** is the 20% darker color. If you saturate the color by 10%, you get **35.7990, 39.2878, 7.0562**, and if you desaturate by 10%, it is **37.6790, 41.6889, 11.8724**.

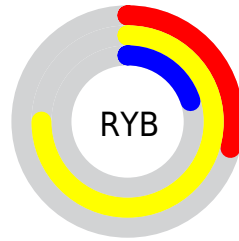
Distribution



Red (75%)

Green (67%)

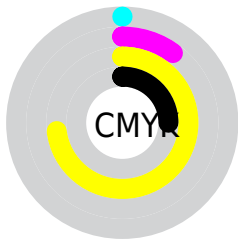
Blue (20%)



Red (29%)

Yellow (75%)

Blue (20%)

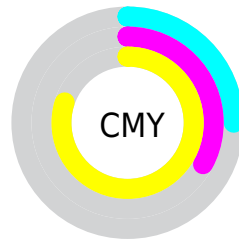


Cyan (0%)

Magenta (10%)

Yellow (73%)

Black (25%)



Cyan (25%)


Magenta (33%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6463, 40.4412, 9.0064 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 36.6463, 40.4412, 9.0064 by changing the saturation by 10% instead.


 36.6463, 40.4412,
9.0064


 36.6463, 40.4412,
9.0064


323.1588,
347.9797, 193.6455


 25.1062, 27.8827,
4.6485


 69.3458, 75.8349,
24.4870


 16.2853, 18.2373,
1.9874


 91.2359, 99.4389,
36.4467


 9.8184, 11.1205,
0.5475

 117.3067,
127.4935, 51.7775

 5.3401, 6.1479,
0.0000

 147.9236,
160.3831, 70.8978

 2.4849, 2.9352,
0.0000

 183.4519,
198.4921, 94.2262

 0.8877, 1.0980,
0.0000

 224.2570,

 0.0000, 0.0000,

242.2050, 122.1813

0.0000

270.7042,
291.9060, 155.1815

■ 36.6463, 40.4412,
9.0064

■ 36.6463, 40.4412,
9.0064

■ 35.7990, 39.2878,
7.0562

■ 37.6790, 41.6889,
11.8724

■ 35.1116, 38.2138,
5.8996

■ 38.9133, 43.0327,
15.7513

■ 34.7113, 37.5274,
5.4140

■ 40.3666, 44.4814,
20.7305

■ 42.0537, 46.0409,
26.8872

■ 43.9880, 47.7167,
34.2918

■ 46.1818, 49.5138,
43.0091

■ 48.6466, 51.4369,
53.0994

■ 51.3932, 53.4905,
64.6192

■ 54.4319, 55.6786,
77.6220

Harmonies

Analogous

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



46.8893, 40.4412, 10.7244



36.6463, 40.4412, 9.0064



28.4124, 40.4412, 12.8888

Triad

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



36.6463, 40.4412, 9.0064



24.9282, 40.4412, 83.8710



58.4904, 40.4412, 70.7466

Complementary

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



36.6463, 40.4412, 9.0064



13.0225, 8.9717, 50.3352

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.



50.5820, 40.4412, 105.0124



36.6463, 40.4412, 9.0064



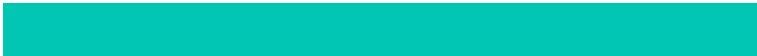
31.0688, 40.4412, 114.5963

Square

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



36.6463, 40.4412, 9.0064



22.4324, 40.4412, 49.4557



40.2875, 40.4412, 123.6486



60.6714, 40.4412, 39.0231

Rectangle

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



36.6463, 40.4412, 9.0064



24.7892, 40.4412, 19.8043



40.2875, 40.4412, 123.6486



56.3545, 40.4412, 82.7085

Sweetspot

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



36.6472, 40.4431, 9.0072



79.1355, 85.7572, 62.7948



23.8395, 13.9122, 7.5603



17.1561, 18.6447, 12.9262



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.



36.6472, 40.4431, 9.0072



63.3348, 69.1764, 11.2214



30.3838, 43.2513, 9.8794



10.2030, 10.8819, 10.1393



22.8570, 24.7527, 3.5731



0.9276, 1.0341, 0.1507

Inverse Universe

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



13.0225, 8.9717, 50.3352



19.0252, 10.3212, 89.2686



15.8437, 8.8390, 50.1609



9.1235, 9.4393, 12.0133



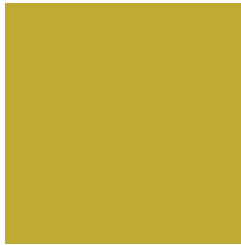
6.4783, 3.0683, 32.6437



0.2895, 0.1917, 1.2906

Previews

White Background



This preview shows how the XYZ color 36.6463, 40.4412, 9.0064 looks on a white background.

Color Contrast Check

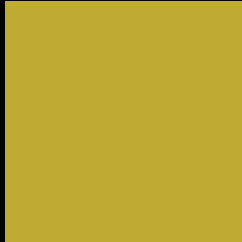
Large Text (above 18pt) WCAG AA × Fail

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 36.6463, 40.4412, 9.0064 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 36.6463, 40.4412, 9.0064

Background



This preview shows how black text looks on a background with the XYZ color 36.6463, 40.4412, 9.0064.



This preview shows how white text looks on a background with the XYZ color 36.6463, 40.4412,

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

36.6463, 40.4412, 9.0064

Protanopia

36.6463, 40.4412, 9.0064

Deuteranopia

41.3177, 40.4031, 9.1109



Tritanopia

43.8366, 40.3995, 44.5172

Trichromacy



Original Color

36.6463, 40.4412, 9.0064

Protanomaly

36.6463, 40.4412, 9.0064

Deuteranomaly

39.5513, 40.2891, 9.0602

Tritanomaly

40.1977, 39.9797, 26.0203

Monochromacy



Original Color

36.6463, 40.4412, 9.0064

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3827, 37.5618, 23.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6463, 40.4412, 9.0064 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(191, 171, 51)` looks like.

```
.text, #text, p{  
    color:rgb(191, 171, 51)  
}
```

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(191, 171, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 171, 51) }
```

Border

The CSS property to change the border of an element to XYZ 36.6463, 40.4412, 9.0064 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(191, 171, 51) }
```


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

```
.border{ border-color:rgb(191, 171, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 171, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 171, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 171, 51);  
box-shadow:4px 4px 4px 4px rgb(191, 171,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6463, 40.4412, 9.0064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 171, 51) }
```

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

```
.background{ background-color: rgb(191,  
171, 51) }
```

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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