

Converting Colors

XYZ(32.4600, 36.0604, 12.2340)

Have a look what the booklet for
XYZ(32.4600, 36.0604, 12.2340)
contains.

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Color

**XYZ(32.3412, 35.9603,
12.2576)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A34D
RGB	176, 163, 77
RGB Percent	69%, 64%, 30%
CMY	0.3098, 0.3608, 0.6980
CMYK	0.00, 0.07, 0.56, 0.31
HSL	52°, 39%, 50%
HSV	52°, 56%, 69%
XYZ	32.3412, 35.9603, 12.2576
YIQ	157.0830, 35.3540, -23.9900

Conversions

Conversions Part 2

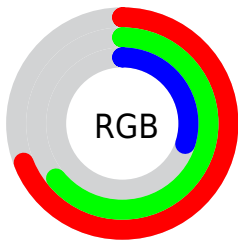
Format	Color
RYB	92, 176, 77
Decimal	11576141
CIELab	66.49, -6.49, 45.65
CIElCh	66, 46.112, 98.092
Yxy	35.9603, 0.4015, 0.4464
Android (android.graphics.Color)	4289766221 (0xFFB0A34D)
YUV	157.0830, -39.4809, 16.5902
Hunter-Lab	59.9669, -8.6739, 29.8576

Details

The XYZ color **32.3412, 35.9603, 12.2576** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.5531, 12.0242, 42.6279**, and the grayscale version is **32.2469, 33.9263, 36.9457**.

A 20% lighter version of the original color is **62.9655, 69.2202, 30.8111**, and **13.8658, 15.7279, 3.2823** is the 20% darker color. If you saturate the color by 10%, you get **31.3958, 34.9331, 9.2806**, and if you desaturate by 10%, it is **33.4639, 37.0731, 16.1240**.

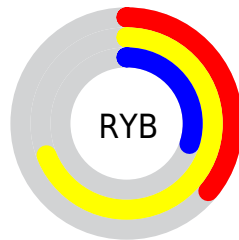
Distribution



Red (69%)

Green (64%)

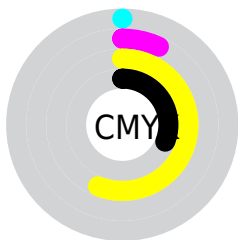
Blue (30%)



Red (36%)

Yellow (69%)

Blue (30%)

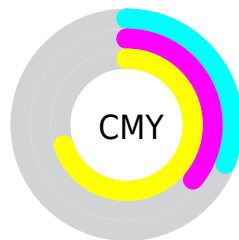


Cyan (0%)

Magenta (7%)

Yellow (56%)

Black (31%)



Cyan (31%)

Magenta (36%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3412, 35.9603, 12.2576 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 32.3412, 35.9603, 12.2576 by changing the saturation by 10% instead.

■ 32.3412, 35.9603,
12.2576

■ 32.3412, 35.9603,
12.2576

304.3884,
328.7870, 217.1414

■ 21.7791, 24.4035,
6.7947

■ 62.7072, 68.9708,
30.6348

■ 13.8103, 15.6332,
3.2575

■ 83.2417, 91.1933,
44.3862

■ 8.0697, 9.2650,
1.2276

■ 107.8312,
117.7398, 61.7375

■ 4.1918, 4.9144,
0.0013

■ 136.8408,
148.9948, 83.1072

■ 1.8112, 2.1971,
0.0000

■ 170.6359,
185.3426, 108.9139

■ 0.5244, 0.7184,
0.0000

209.5820,

■ 0.0000, 0.0000,

227.1677, 139.5761

0.0000

254.0444,
274.8543, 175.5125

■ 32.3412, 35.9603,
12.2576

■ 32.3412, 35.9603,
12.2576

■ 31.3958, 34.9331,
9.2806

■ 33.4639, 37.0731,
16.1240

■ 30.6113, 33.9808,
7.1176

■ 34.7738, 38.2715,
20.9427

■ 29.9723, 33.0987,
5.6842

■ 36.2830, 39.5617,
26.7733

■ 29.4572, 32.2778,
4.8673

■ 38.0018, 40.9479,
33.6703

■ 29.2788, 31.9789,
4.6294

■ 39.9398, 42.4341,
41.6838

■ 42.1059, 44.0238,
50.8610

■ 44.5088, 45.7206,
61.2464

■ 47.1563, 47.5276,
72.8821

■ 50.0562, 49.4481,
85.8081

Harmonies

Analogous

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



39.3848, 35.9603, 13.3836



32.3412, 35.9603, 12.2576



26.6141, 35.9603, 16.1792

Triad

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



32.3412, 35.9603, 12.2576



24.7453, 35.9603, 67.6631



48.0609, 35.9603, 55.1526

Complementary

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



32.3412, 35.9603, 12.2576



14.5531, 12.0242, 42.6279

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.



43.0570, 35.9603, 77.4264



32.3412, 35.9603, 12.2576



29.4538, 35.9603, 86.1834

Square

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



32.3412, 35.9603, 12.2576



22.6317, 35.9603, 44.7642



36.0855, 35.9603, 90.2579



49.1075, 35.9603, 34.0345

Rectangle

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



32.3412, 35.9603, 12.2576



24.0877, 35.9603, 22.2776



36.0855, 35.9603, 90.2579



46.7563, 35.9603, 62.9308

Sweetspot

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



32.3421, 35.9620, 12.2583



68.5778, 73.9945, 59.6615



22.4125, 15.2797, 11.4860



14.7257, 15.9276, 12.3776



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.3421, 35.9620, 12.2583



56.6463, 63.0148, 15.9668



27.6297, 37.1358, 12.7333



9.1000, 9.7126, 9.0476



21.5130, 23.5246, 3.4068



0.7032, 0.7928, 0.1160

Inverse Universe

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



14.5531, 12.0242, 42.6279



21.3477, 15.5617, 76.3739



17.3393, 11.9734, 42.4712



8.1289, 8.4041, 10.7000



6.0014, 2.8032, 30.3617



0.2172, 0.1450, 0.9648

Previews

White Background



This preview shows how the XYZ color 32.3412, 35.9603, 12.2576 looks on a white background.

Color Contrast Check

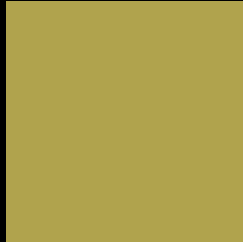
Large Text (above 18pt) WCAG AA × Fail

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 32.3412, 35.9603, 12.2576 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 32.3412, 35.9603, 12.2576

Background



This preview shows how black text looks on a background with the XYZ color 32.3412, 35.9603, 12.2576.



This preview shows how white text looks on a background with the XYZ color 32.3412, 35.9603,

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

32.3412, 35.9603, 12.2576

Protanopia

32.8503, 35.9602, 12.2308

Deuteranopia

36.5201, 35.8178, 12.3859



Tritanopia

37.9499, 35.6894, 40.4859

Trichromacy



Original Color

32.3412, 35.9603, 12.2576

Protanomaly

32.6200, 35.8415, 12.2200

Deuteranomaly

34.9180, 35.7404, 12.2659

Tritanomaly

35.3467, 35.6312, 27.2048

Monochromacy



Original Color

32.3412, 35.9603, 12.2576

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6043, 34.2473, 25.3667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3412, 35.9603, 12.2576 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(176, 163, 77)` looks like.

```
.text, #text, p{  
    color:rgb(176, 163, 77)  
}
```

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(176, 163, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 163, 77) }
```

Border

The CSS property to change the border of an element to XYZ 32.3412, 35.9603, 12.2576 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(176, 163, 77) }
```


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

```
.border{ border-color:rgb(176, 163, 77) }
```

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

Here you see how a box with a 4 pixel rgb(176, 163, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 163, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 163, 77);  
box-shadow:4px 4px 4px 4px rgb(176, 163,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3412, 35.9603, 12.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 163, 77) }
```

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

```
.background{ background-color: rgb(176,  
163, 77) }
```

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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