

Converting Colors

XYZ(33.2784, 36.8095, 7.8340)

Have a look what the booklet for
XYZ(33.2784, 36.8095, 7.8340)
contains.

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Color

**XYZ(33.2776, 36.8077,
7.8333)**

Conversions

Conversions Part 1

Format	Color
Hex	B7A42D
RGB	183, 164, 45
RGB Percent	72%, 64%, 18%
CMY	0.2824, 0.3568, 0.8235
CMYK	0.00, 0.10, 0.75, 0.28
HSL	52°, 61%, 45%
HSV	52°, 75%, 72%
XYZ	33.2776, 36.8077, 7.8333
YIQ	156.1150, 49.5230, -32.9810

Conversions

Conversions Part 2

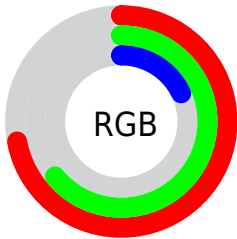
Format	Color
RYB	67, 183, 45
Decimal	12035117
CIELab	67.13, -5.93, 60.15
CIELCh	67, 60.442, 95.626
Yxy	36.8077, 0.4271, 0.4724
Android (android.graphics.Color)	4290225197 (0xFFB7A42D)
YUV	156.1150, -54.7797, 23.5781
Hunter-Lab	60.6693, -8.2628, 34.8133

Details

The XYZ color **33.2776, 36.8077, 7.8333** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.4629, 7.6435, 45.6707**, and the grayscale version is **31.8738, 33.5337, 36.5182**.

A 20% lighter version of the original color is **64.2497, 70.4604, 22.2705**, and **14.5093, 16.2459, 2.3710** is the 20% darker color. If you saturate the color by 10%, you get **32.5528, 35.8050, 6.2144**, and if you desaturate by 10%, it is **34.1657, 37.8929, 10.2607**.

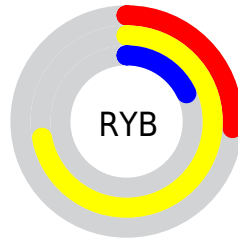
Distribution



Red (72%)

Green (64%)

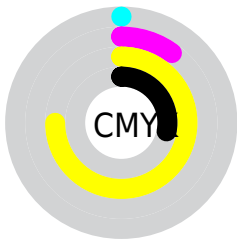
Blue (18%)



Red (26%)

Yellow (72%)

Blue (18%)

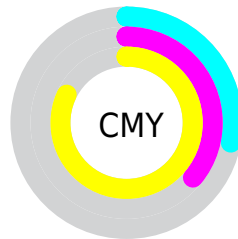


Cyan (0%)

Magenta (10%)

Yellow (75%)

Black (28%)



Cyan (28%)


Magenta (36%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2776, 36.8077, 7.8333 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 33.2776, 36.8077, 7.8333 by changing the saturation by 10% instead.


 33.2776, 36.8077,
7.8333


 33.2776, 36.8077,
7.8333


308.5417,
332.4772, 184.3041


 22.4994, 25.0586,
3.9022


 64.1605, 70.2769,
22.1717

 14.3430, 16.1207,
1.5719


 84.9959, 92.7659,
33.4162

 8.4429, 9.6096,
0.2706


 109.9145,
119.6036, 47.9355

 4.4338, 5.1409,
0.0000

 139.2815,
151.1744, 66.1482

 1.9504, 2.3302,
0.0000

 173.4624,
187.8628, 88.4729

 0.6059, 0.7896,
0.0000

 212.8225,

 0.0000, 0.0000,

230.0532, 115.3281

0.0000

257.7271,
278.1298, 147.1323

■ 33.2776, 36.8077,
7.8333

■ 33.2776, 36.8077,
7.8333

■ 32.5528, 35.8050,
6.2144

■ 34.1657, 37.8929,
10.2607

■ 31.9669, 34.8706,
5.2872

■ 35.2323, 39.0623,
13.5868

■ 31.7229, 34.4563,
4.9788

■ 36.4932, 40.3240,
17.8922

■ 37.9622, 41.6834,
23.2481

■ 39.6514, 43.1455,
29.7189

■ 41.5722, 44.7150,
37.3639

■ 43.7350, 46.3960,
46.2382

■ 46.1499, 48.1926,
56.3934

■ 48.8259, 50.1087,
67.8781

Harmonies

Analogous

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



42.8110, 36.8077, 9.3630



33.2776, 36.8077, 7.8333



25.6526, 36.8077, 11.3778

Triad

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



33.2776, 36.8077, 7.8333



22.4775, 36.8077, 77.4584



53.7145, 36.8077, 64.8536

Complementary

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



33.2776, 36.8077, 7.8333



11.4629, 7.6435, 45.6707

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.



46.3430, 36.8077, 97.0287



33.2776, 36.8077, 7.8333



28.1754, 36.8077, 106.2693

Square

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



33.2776, 36.8077, 7.8333



20.1586, 36.8077, 45.2561



36.7490, 36.8077, 114.6707



55.7255, 36.8077, 35.3095

Rectangle

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



33.2776, 36.8077, 7.8333



22.3127, 36.8077, 17.7264



36.7490, 36.8077, 114.6707



51.7250, 36.8077, 76.0587

Sweetspot

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



33.2784, 36.8095, 7.8340



71.6787, 77.8275, 55.8291



21.4415, 12.3342, 6.3592



15.5735, 16.9731, 11.3212



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.2784, 36.8095, 7.8340



57.6373, 63.0955, 9.9895



27.3508, 39.1824, 8.6045



9.6420, 10.2869, 9.5843



22.1677, 24.1118, 3.4857



0.8108, 0.9087, 0.1327

Inverse Universe

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



11.4629, 7.6435, 45.6707



16.9553, 8.8687, 81.0539



14.0307, 7.6390, 45.5345



8.6182, 8.9136, 11.3457



6.2385, 2.9366, 31.4911



0.2521, 0.1679, 1.1209

Previews

White Background



This preview shows how the XYZ color 33.2776, 36.8077, 7.8333 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 33.2776, 36.8077, 7.8333 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 33.2776, 36.8077, 7.8333

Background



This preview shows how black text looks on a background with the XYZ color 33.2776, 36.8077, 7.8333.



This preview shows how white text looks on a background with the XYZ color 33.2776, 36.8077,

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

33.2776, 36.8077, 7.8333

Protanopia

33.2776, 36.8077, 7.8333

Deuteranopia

37.4526, 36.6436, 8.0047



Tritanopia

39.9210, 36.7055, 40.5781

Trichromacy



Original Color

33.2776, 36.8077, 7.8333

Protanomaly

33.2776, 36.8077, 7.8333

Deuteranomaly

35.7863, 36.5374, 7.9626

Tritanomaly

36.4944, 36.3132, 23.1749

Monochromacy



Original Color

33.2776, 36.8077, 7.8333

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.2764, 34.1642, 21.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2776, 36.8077, 7.8333 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(183, 164, 45)` looks like.

```
.text, #text, p{  
    color:rgb(183, 164, 45)  
}
```

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(183, 164, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 164, 45) }
```

Border

The CSS property to change the border of an element to XYZ 33.2776, 36.8077, 7.8333 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(183, 164, 45) }
```


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

```
.border{ border-color:rgb(183, 164, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 164, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 164, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 164, 45);  
box-shadow:4px 4px 4px 4px rgb(183, 164,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2776, 36.8077, 7.8333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 164, 45) }
```

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

```
.background{ background-color: rgb(183,  
164, 45) }
```

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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